ADVERTISEMENT.

THE present work forms the *APPENDIX* to the second volume of the *Memoirs of the Astronomical Society of London.* But the COUNCIL of that Society, conceiving that it might be useful to many persons not possessed of that volume, have caused an extra number of copies to be struck off for separate publication.

APPENDIX.

On the construction and use of some new Tables for determining the apparent places of nearly 3000 principal fixed stars. Drawn up at the request of the Council of the Astronomical Society of London: by FRANCIS BAILY, *Esq. F.R.S. L.S. and G.S., and President of the Society.*

Read May 13 and June 10, 1825.

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1. EVER since the important discoveries of the Aberration of light, and the Nutation of the earth's axis, the attention of mathematicians has been directed to the investigation of the best means of reducing the analytical expressions of those quantities to the most simple and concise terms; in order that the effect of those phænomena on the positions of the stars may be readily determined without much trouble or loss of time. Several methods have been proposed, and many useful tables have been formed, for that express purpose: the whole of which, however, are either founded on formulæ that do not include several minute quantities, which, in the present state of astronomy, cannot be neglected; or else are confined to a very limited number of stars.

2. Special tables, for computing the aberration and nutation of particular stars, have for a long time been used by astronomers. The first distinct publication of this kind was by M. MEZGER; who published at Manheim in 1778, his *Tabulæ Aberrationis et Nutationis* for 352 stars. There had, however, previously to that period, appeared in the volumes of the *Connaissance des tems* from 1760 to 1774, several tables of a similar kind, and containing many of the same stars: which tables, M. JEAURAT subsequently collected together, and published in the *Con. des tems* for 1781. They were afterwards revised by M. DELAMBRE, and published (252 in number) in the *Con. des tems* for 1789—1791. An addition of 116 stars was made in the *Con. des tems* for 1802; and a further addition of 142 stars, in the same work for 1806: thus making the total number 510. In the *Ephemerides de Vienne* for the years 1784 and 1785, M. PILGRAM published special tables for 500 stars: but they are said to contain so many errors that it is unsafe to use them. In the year

1807, two other sets of special tables appeared, comprising nearly the same stars as those already alluded to: one by M. Cagnoli, containing 501 stars; the other by Baron Zach, containing 494 stars. The former is entitled *Catalogue de* 501 *etoiles, suivi des tables relatives d'Aberration et de Nutation:* Modena, 1807. And the latter, *Tabulæ Speciales Aberrationis et Nutationis,* &c. Gotha, 1807: 2 vols. octavo. In this last-mentioned work, the second volume only is devoted to the tables of aberration and nutation; and each star occupies a whole page. The first volume contains much useful information connected with the same subject, and many other valuable tables.

3. Hitherto the attention of astronomers had been confined to about five hundred of the principal stars: and in this state the subject remained till the year 1812, when some new tables, differently constructed and of a more general kind, were published by Baron Zach. These are the most comprehensive as well as the most convenient set of tables, which have hitherto been formed for such computations. They are entitled *Nouvelles tables d'Aberration et de Nutation pour* 1440 *etoiles;* and were published at Marseilles in 1812, in one volume octavo. But, in these tables, the solar nutation, as well as some other minute quantities, are wholly omitted: and although that celebrated author has given a rule (in page 26) whereby we may approximate to the value of the solar nutation, yet that rule is not strictly correct, and ought not to be resorted to in the present state of the science.

4. I would observe, that when we wish to compute the aberration and nutation by the tables of Baron Zach, here alluded to, it is necessary to form distinct arguments for the sines of the quantities employed; the logarithms of which quantities must be sought for, and taken out of a book of logarithms. And, for the purpose of forming the arguments, reference must be made to some ephemeris; and certain proportional parts must be computed before a correct solution can be obtained. We have then to obtain the sums of four logarithms, and to find the natural numbers corresponding thereto. After this, we have to compute the precession and solar nutation for the given day, by a separate calculation of no little trouble, before we can deduce the total correction required. Those only, who are versed in such calculations, can fully appreciate the labour, the risk of error, and the loss of time concerned in these several operations.

By the method, however, which I am about to explain, nearly the whole of this troublesome process may be saved. For, in most ordinary cases, it will not be necessary to form any argument, nor in any case to refer to an ephe-

meris, or any other work, except to a *small* table of logarithms*. We have merely to add four logarithms found in one of the present tables, to four logarithms found in another of those tables, and the natural numbers, corresponding to the sums of those logarithms, will give the whole correction, either in right ascension or declination, as may be required; and with a degree of accuracy not previously attempted.

5. The mode by which this great saving of time and labour is obtained, has been, in some measure, already explained by me in the *Philosophical Magazine* for October 1822; and the plan, which was first published by Professor Bessel†, has been partially acted on by Professor Schumacher in his *Astronomische Hülfstafeln* for the same year. The tables of M. Schumacher, however, comprehend little more than two thirds of the *first* class, only, of the stars to which I am about to allude; and do not exceed five hundred in number.

The stars, which form the subject of the present tables, consist of the three following classes:

1°. All the stars, to the *fifth* magnitude inclusive, wheresoever situated.

2°. All the stars, to the *sixth* magnitude inclusive, situated within 30° of the equator.

3°. All the stars, to the *seventh* magnitude inclusive, situated within 10° of the ecliptic.

This selection, it is presumed, will form one of the most useful catalogues for practical astronomy that can well be suggested. It contains *all* the stars of the above description, which have been observed (with sufficient accuracy for determining their present positions) by Flamsteed, Bradley, La Caille, Mayer‡, Piazzi, and Zach. They are most of them (in fact, all of them, with the exception of 180 southern stars from the catalogue of La Caille, and of 10 zodiacal stars from the catalogue of Baron Zach, to each of which I shall presently allude) to be found in the catalogues of Bradley or Piazzi§.

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* This reference, in fact, may in most ordinary cases be obviated by the use of the two pages of logarithms in Table VIII: which have been introduced for the convenience of computers, who may not have an immediate or ready access to a book of logarithms.

† In Schumacher's *Astronomische Nachrichten*, No. 4.

‡ Mayer's catalogue is inserted in his *Opera inedita*, Göttingen, 1775, quarto. The whole of the stars observed by him, will be found in Piazzi's catalogue, except such as cannot now be seen in the places assigned to them; and a few others which were so imperfectly observed that they cannot now be identified.

§ The catalogue of Bradley, here alluded to, is that given by M. Bessel in his *Fundamenta*

So that the present selection will include *every star*, falling within the three classes above alluded to, whose mean positions are at present accurately known*.

6. As the stars in Bradley's catalogue are computed for the year 1755, and those in Piazzi's for the year 1800; the whole are reduced to one and the same epoch, viz. January 1, 1830: and, in order to bring them up, by precession, to that date, three different formulæ have been adopted according to the circumstances of the case. For, when a star has been observed both by Bradley and Piazzi, I have made use of the following convenient formula, which is given by M. Bessel in his *Fundamenta Astronomiæ*, page 136; viz.

$$P + \tfrac{2}{3}(P - B) + 25\,(p - \pi)$$

where P denotes the place of the star in Piazzi's catalogue, and B the place of the star in Bradley's catalogue; p the precession in 1800 and π the precession in 1755, both taken from Bessel's catalogue in his *Fundamenta Astronomiæ*.

If the star, however, has been observed by Bradley only (of which, there are a few cases) it has been reduced to 1830, by means of the formula

$$B + 75\,\left(p - \frac{p - \pi}{6}\right)$$

7. But, when a star has been observed by Piazzi only, I have adopted the following method. By means of the annual precessions, given in the catalogue of Piazzi, the star has been first reduced to the middle period 1815. With the mean position, in right ascension and declination, *thus* obtained (which I shall denote by α and δ), I have computed the total precession, from 1800 to 1830, by means of the following formulæ,

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Astronomiæ: Regiomonti 1818, folio. A work which is, or ought to be, in the hands of every astronomer. The catalogue of Piazzi is entitled *Præcipuarum stellarum inerrantium positiones mediæ ineunti sæculo* XIX. Panormi, 1814, quarto.

* The third class, enumerated in the text, might have been very considerably increased if I had included the vast mass of observations published by Lalande in the *Histoire Céleste*, and the more recent labours of Bessel and Brisbane. But this must be reserved for future decision, when those observations shall have been reduced to some given epoch. It is true that upwards of twelve thousand of the observations published by Lalande have been reduced at various times, and inserted in the several volumes of the *Con. des tems* for the Republican years 5, 7, 8, 9, 10, 11, 12, 13, 14, 15. But a revision and re-arrangement of those lists, and a reduction thereof into *one* catalogue, is still a desideratum in modern astronomy, and would tend to increase their usefulness.

Prec. in Right Asc. $= 30\,(46'',0160 + 20'',0441 \sin\alpha \,.\, \tan\delta)$
Prec. in Declin. $= 30\,(20'',0441 \cos\alpha)$

which, being added to the mean place of the star in the catalogue of PIAZZI, will give the mean place for 1830.

In some few cases it has happened that a star given by PIAZZI, has not been observed by BRADLEY in right ascension *and* declination. In these instances the right ascension or declination only (as the case may be) has been brought up by means of this formula; and such right ascensions and declinations are distinguished in the catalogue by means of an asterisk affixed to them.

8. I have stated that all the stars are to be found in the catalogues of BRADLEY and PIAZZI except 180 southern stars from LA CAILLE, and 10 zodiacal stars from Baron ZACH. With respect to the first of these, they are, for the most part, stars (not visible in these latitudes) which were observed by M. LA CAILLE at the Cape of Good Hope, and reduced to the year 1750*. As all the stars in LA CAILLE's catalogue, to the fifth magnitude inclusive, have (with the exception of 14 stars to which I shall presently allude †) been recently observed by the Rev. F. FALLOWS, the astronomer at the Cape of Good Hope; and as their places, reduced to the beginning of the year 1824, have been published in the *Philosophical Transactions* for 1824, pages 465—470, I have merely added six times the amount of the annual precession, as given by Mr. FALLOWS, to the mean places of the stars in his catalogue, in order to show their mean position on January 1, 1830. I have hesitated the less in adopting this mode, as I fear the present determination of these southern stars can only be considered as *approximative*. LA CAILLE says that he cannot answer for their accuracy within 30″: and it is evident that Mr. FALLOWS suspects the capability of his present instruments for determining very minute portions of space. I have adopted the magnitudes as given by Mr. FALLOWS.

The 14 stars, omitted by Mr. FALLOWS ‡, have been brought up to 1830

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* This catalogue is to be found at the end of his *Cœlum Australe stelliferum*, Paris, 1763, quarto. In referring to the different stars I have adopted the letters of the alphabet assigned to them by LA CAILLE: who found himself obliged to make an alteration in BAYER's arrangement, when the whole of the southern hemisphere was opened to his view. The extensive constellation *Argus* he has divided into three parts, viz. *in puppi*, *in carina*, *in velis*; for the sake of a more convenient reference.

† Amongst these, however, are five stars of the 6th magnitude, within 30° of the equator.

‡ These are numbered by M. LA CAILLE 196, 229, 233, 392, 831, 1225, 1302, 1361, 1423, 1517, 1536, 1686, 1692, 1747. Five of these are of the 6th magnitude only: but they have been inserted because they are within 30° of the equator.

from La Caille's catalogue, in a manner similar to that just alluded to: viz. by first reducing the stars (with the annual precession of 1750) to the middle period 1790, and then, with the right ascension and declination *thus* computed (which I shall call α and δ), reducing them to 1830 by the total precession obtained by means of the following formula:

$$\text{Prec. in Right Asc.} = 80\,(46'',0080 + 20'',0465 \sin\alpha \,.\, \tan\delta)$$
$$\text{Prec. in Declin.} = 80\,(20'',0465 \cos\alpha)$$

The whole of these 180 stars are distinguished by an asterisk annexed to their Right Ascensions and Declinations.

With respect to the 10 stars from the zodiacal catalogue of Baron Zach*, they are such as appear not to have been observed either by Bradley or Piazzi; and are inserted in order to complete the list of all the well-observed stars which come within the three classes above mentioned†. The mean places of these stars for 1830 have been determined in the same manner as those of Piazzi, alluded to in § 7: and an asterisk has also been affixed to them, in order to distinguish them. Some few others have been rejected, because they appear to have been but imperfectly observed.

9. The mean positions of the stars, thus computed for 1830, have served as elements for the calculation of certain *constant quantities*, the logarithms of which are proposed to be used for determining the Aberration, Precession and Nutation, in the manner I am about to describe. I should, however, previously observe, that it is not my intention, neither indeed is it at all necessary, in this place to enter into an investigation of the principles from which the general formulæ, in such cases, are deduced; nor to examine the several methods which have been adopted for determining the co-efficients by which they are affected. These subjects have undergone successive improvements and refinements from the time of Bradley to the present day; and it would be useless and presumptuous for me to attempt to add to the correctness or elegance of those formulæ, which have been introduced by some of the most eminent mathematicians, for determining the quantities here alluded to. I shall therefore proceed at once to an explanation of the particular formulæ

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* This catalogue is inserted in his *Tabulæ Speciales Aberrationis et Nutationis:* Gotha, 1806, 2 vols. octavo.

† These stars are numbered by Baron Zach, 410, 846, 886, 1060, 1220, 1294, 1299, 1324, 1370, 1596.

employed in constructing the following tables; and which will be found to be deduced from the general ones above mentioned.

Aberration.

10. This phænomenon arises from the progressive motion of light, and the motion of the earth in its orbit. Light is supposed to be $8^m\ 13^s,3$ in coming from the sun to the earth; but, in this interval of time, the earth has moved in its orbit through a space equal to $20'',25$ of a great circle: and this quantity is called the *constant of aberration*. This, however, is founded on the presumption that the earth (supposed to be at its mean distance from the sun) moves in a *circle*, and with an *uniform* motion: both of which are incorrect. A slight alteration, therefore, must be made in the constant above mentioned, when we come to consider the earth as moving in an *elliptical* orbit, and with a *variable* motion. For the present, however, we shall disregard this hypothesis.

11. Dr. Bradley, to whom the public are indebted for the discovery of this phænomenon, considered the constant of aberration to be $20'',00$: but the investigations of M. Delambre, relative to the velocity of light, as deduced from the eclipses of Jupiter's satellites, have led him to consider it to be equal to $20'',255$. Most of the present astronomers have still further increased this quantity. M. Bessel, in his *Fundamenta Astronomiæ*, pages 112—123, makes it $20'',68$ from a mean of 588 comparisons of different stars. M. Lindenau, in the *Zeitschrift für Astronomie*, vol. 1, page 65, makes it $20'',6096$ from a comparison of 810 observations of the right ascension of *Polaris*, as observed by Bradley, Maskelyne, Pond, and Bessel. Dr. Struve, however, in the *Observationes Astronomicæ* made at Dorpat, vol. 3, page lxiv., considers it only $20'',349$, from a series of 693 observations of certain circumpolar stars: or, as $20'',361$ if these observations be combined with those investigated by M. Bessel, as above mentioned. Lastly, Dr. Brinkley, in the *Philosophical Transactions* for 1821, page 350, from the mean of 2633 comparisons of various stars, has deduced $20'',37$ as the constant of aberration *. As there is a great

* The following remark, by this distinguished astronomer and mathematician, is worthy of attention: "The investigation of the constant of aberration by direct observations of zenith distance, has not (that I am aware of) been attempted since those of Bradley, by the zenith sector. A century has nearly elapsed since his excellent observations were made. The results of M. Delambre's investigations, relative to the velocity of light, as deduced from the eclipses

coincidence in the values obtained by Dr. Struve and Dr. Brinkley, although deduced by different means, and as they are derived from a comparison of the greatest number of stars, I have not hesitated to take the mean (or 20″,36) as the constant of aberration in the formation of the following tables.

12. The general formulæ, for determining the differences caused by the aberration of a star in right ascension ($\Delta\alpha$), and in declination ($\Delta\delta$), are well known to be

$$\Delta\alpha = -\text{A}\,(\sin\alpha.\sin\odot + \cos\omega.\cos\alpha.\cos\odot)\sec\delta$$
$$\Delta\delta = -\text{A}\,(\cos\alpha.\sin\odot - \cos\omega.\sin\alpha.\cos\odot)\sin\delta - \text{A}\sin\omega.\cos\odot.\cos\delta$$

where A denotes the constant of aberration, α and δ the right ascension and declination of the star, ω the obliquity of the ecliptic, and $\odot$ the sun's *true* longitude at the time required.

As the following tables are computed for the year 1830, we must assume ω equal to the mean obliquity of the ecliptic at that period: whence we have

$$\omega = 23^\circ\ 27'\ 40''$$

and, if we assume $\text{A} = 20'',36$ as above mentioned, the preceding formula will be reduced to

$$\left.\begin{aligned}\Delta\alpha &= -(20'',3600\sin\odot.\sin\alpha + 18'',6768\cos\odot.\cos\alpha)\sec\delta\\ \Delta\delta &= -(20'',3600\sin\odot.\cos\alpha - 18'',6768\cos\odot.\sin\alpha)\sin\delta - 8'',1058\cos\odot.\cos\delta\end{aligned}\right\}\text{(A)}$$

13. I have already observed that these formulæ are founded on the supposition that the earth moves in a circle and with an uniform motion. The errors, which arise from this assumption, are insensible, and are disregarded by astronomers, except in some very rare cases. These errors are of two distinct kinds: one being a slight increase in the constant A, amounting to about 0″,003, which is too small to be regarded in practice*: the other, a quantity depending on the place of the sun's perigee, and which is therefore constant for each star in all places and for many years together. This latter quantity being necessarily included in the mean places, as determined by observation, ought not to be taken into account in any reductions. The exact

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of Jupiter's satellites, appeared to confirm, in so strong a manner, the mean of Bradley's results, that astronomers seem to have considered the point quite settled: but, if I mistake not, one cause for this was the paucity of instruments adequate to so delicate an enquiry." Page 331.

* The analytical expression for this quantity is $\frac{1}{2}e^2\text{A}$: where e denotes the eccentricity of the earth's orbit.

amount of these quantities I shall hereafter allude to; as well as to the omission of certain other small values, in which the second powers of very minute quantities are involved: and, at the same time, shall allude to that part of aberration which depends on the diurnal motion of the earth. But, as these quantities do not enter into the present investigation of the subject (since they do not form any part of the arrangement of the tables), their consideration will be better deferred to the end of this paper.

Annual Precession.

14. The position of the equinoctial point is perpetually varying, on account of the combined action of the sun, moon, and planets on the spheroidical figure of the earth. The effect produced by this action is called the precession of the equinoxes. The action of the sun and moon (which is the most considerable) tends to increase the precession; whilst that of the planets (which is very small) tends to retard it. The effect of the former along the ecliptic is called the *luni-solar* precession in longitude; and the difference between the two is called the *general* precession in longitude.

15. But, the annual precession of the equinoxes (independent of the *nutation*, which I shall consider in the next section) is not invariably the same; but differs, from year to year, according to laws that are now pretty well ascertained. It is therefore necessary to fix on some epoch, with which observations of this kind should be compared. Astronomers have generally agreed to refer such comparisons to the year 1750. M. Laplace has given a formula (*Méchanique Céleste*, vol. iii. p. 158) which, being reduced, makes the annual precession in longitude, for any year reckoned from that period, to be,

$$\text{luni-solar} = 50'',28760 - y \times 0'',0002435890$$
$$\text{general} \quad = 50'',09915 + y \times 0'',0002442966$$

But, M. Bessel, who has paid considerable attention to this branch of science, both in a distinct treatise and in his *Fundamenta Astronomiæ*, p. 297, considers these values to be,

$$\text{luni-solar} = 50'',340499 - y \times 0'',0002435890$$
$$\text{general} \quad = 50'',176068 + y \times 0'',0002442966$$

y being in each case the number of years from 1750; *positive* after, and *negative* before that period. In the formula of M. Laplace, the mass of Venus

is assumed equal to $\frac{1}{356652}$ that of the sun: whilst M. BESSEL assumes it equal to $\frac{1}{401861}$ only. But, in the fifth edition of the *Systéme du monde*, (1824) page 208, M. LAPLACE appears to lean towards M. BURCKHARDT's determination of the mass of Venus, and considers it as equal to $\frac{1}{405871}$; which nearly corresponds with that of M. BESSEL.

16. But, whatever be the value of the annual precession in longitude, we may in all cases determine the annual precession of a star in right ascension and declination, by means of the following general formula: viz.

$$\Delta\alpha = m + n \,.\, \sin\alpha \,.\, \tan\delta$$
$$\Delta\delta = n \,.\, \cos\alpha$$

m and n being quantities determinable from observations. M. BESSEL has shown, in his *Fundamenta Astronomiæ*, page 288, that (reckoning from 1750) we may assume

$$m = 45'',92122 + y \times 0'',0003086886 + \cdot 91726\,\varpi - 0'',23277\,\mu$$
$$n = 20'',02932 - y \times 0'',0000970204 + \cdot 39830\,\varpi^{*}$$

where ϖ denotes the correction of the luni-solar precession in longitude as given in the formula of M. LAPLACE, so that the luni-solar precession may be $= 50'',28760 + \varpi$: and where μ denotes the correction for the mass of Venus, which will in such case be $\frac{1+\mu}{356652}$ that of the sun. M. BESSEL assumes $\varpi = +0'',052899$ and $\mu = -\cdot 1125$; whence

$$-0'',23277\ \mu = +0'',02619$$
$$+0'',91726\,\varpi = +0'',04852$$
$$+0'',39830\,\varpi = +0'',02107$$

consequently we shall have for m and n respectively as follow: viz.

$$m = 45'',99592 + 0'',0003086866 \times y$$
$$n = 20'',05039 - 0'',0000970204 \times y$$

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* In stating the value of n (in the page alluded to, in the text,) M. BESSEL appears to have omitted the quantity $+\cdot 39830\,\varpi$: it is however necessarily involved in the arithmetical computation in page 297; and is inserted in the formula in page 295, as well as in M. BURCKHARDT's paper in the *Con. des tems* for 1819, page 219.

17. If therefore we assume $y = 80$, we shall have, for the year 1830 (the epoch for which the tables are computed) the following values for the annual precession in right ascension and declination :

$$\left.\begin{aligned} \Delta\,\alpha &= 46'',02061 + 20'',04263 \sin\alpha \,.\, \tan\delta \\ \Delta\,\delta &= 20'',04263 \cos\alpha \end{aligned}\right\} \qquad \text{(B)}$$

and these are the quantities assumed in the construction of the following tables.

The *annual* precession being thus found, we may readily determine its value for any *fractional* part of the year by multiplying it by $\frac{d}{365\cdot25}$; d being the number of days from January 1st. But, for the sake of convenience, we shall make

$$t = \frac{d}{365\cdot25} = \cdot00273785 \times d$$

Nutation.

18. Independent of the mean luni-solar precession, alluded to in the last section, there is a *periodical* inequality produced by the various positions of the sun and moon in their orbits, and of the moon's node. This inequality in the precession is called the nutation : and its effects are computed from the variations produced on the obliquity of the ecliptic. For this variation being once well ascertained, the rest is merely the result of analytical investigation.

19. M. Bessel has shown, in his *Fundamenta Astronomiæ*, page 128, that the formula, given by M. Laplace in the *Méchanique Céleste*, for determining the nutation of the obliquity of the ecliptic, may be expressed in a more general way, in the following manner :

$$\begin{aligned} \Delta\,\omega = &+ [9'',64800 \cos \mathfrak{N} - 0'',09423 \cos 2\,\mathfrak{N} + 0'',09390 \cos 2\,\mathfrak{D}] \times (1 \\ &+ [0'',49333 - 1'',24520\, z] \cos 2\,\odot \end{aligned}$$

sion
if we
δ respec-
the same

where $\mathfrak{D}$ denotes the true longitude of the moon, $\mathfrak{N}$ the *mean* longitude moon's node*, and z a correction (determinable from observations)

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* Some persons having imagined that the *true* longitude, and not the *mean* longitude of moon's node, ought to be adopted in the formula, it may be proper to state here that such a notion is incorrect. The adoption of the *mean* longitude is the result of an analysis which cannot well be explained in this place.

applied to the co-efficient of the principal term in the above equation, so that we may have that co-efficient $= 9''{,}648\ (1 + z)$.

20. The co-efficient here alluded to is the principal quantity to be determined; and has been variously stated by different authors. Bradley deduced it from observations, and assumed its value equal to $9''{,}00$. Theory, however, gives it somewhat greater: for Mayer, in such case, makes it $9''{,}65$; Maskelyne $9''{,}55$; whilst Laplace made it, at first, as much as $10''{,}0556$. Subsequent investigations, however, have induced this eminent mathematician to reduce the value, at various times: and he has recently assumed it equal to $9''{,}40$*. M. Lindenau determined its value to be $8''{,}989$ from an investigation of observations extending over a period comprehending three revolutions of the moon's nodes: but he afterwards further reduced this value to $8''{,}977$. Lastly, the Rev. Dr. Brinkley has, in the *Phil. Trans.* for 1821, page 347, determined the value of this co-efficient to be $9''{,}25$ from a comparison of 1618 observations of various stars. M. Bessel has adopted the value determined by M. Lindenau, as above mentioned; and in which he has been followed by most of the German astronomers: but as Dr. Brinkley's co-efficient has been deduced from a considerable number of observations, and is nearly a mean between that of M. Lindenau and the latest determination of M. Laplace, I have not hesitated to adopt it as the one which, under present circumstances, accords most nearly with the truth.

21. This assumption will render the value of $z = -\cdot 041252$, and consequently the nutation of the obliquity of the ecliptic will be,

$$\Delta\,\omega = +\,9''{,}2500 \cos \mathfrak{Q} - 0''{,}0903 \cos 2\,\mathfrak{Q} + 0''{,}0900 \cos [illegible] + 0''{,}5447 \cos 2\,\odot$$

[illegible] the nutation in longitude (Δ [illegible]) is deduced from the nutation of the obliquity of the ecliptic, by [illegible] three [illegible] by multiplying the first term of this equation by $2 \cos \omega$, [illegible] remaining terms by $\cot \omega$; then converting the cosines into [illegible] changing the signs of the several terms. Whence, by assuming $27'\ 40''$, as before, we have for 1830†,

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* *Traité de Méchanique Céleste*, livre xiii. February, 1824, page 159: and *Exposition du système du monde*, 5th edition, page 285. Also the *Con. des tems* for 1822, page 292, where M. Laplace has taken it as low as $9''{,}30$ if deduced from observations of the pole star: and as low as $8''{,}6$ if deduced from the pendulum. M. Laplace, in another place, has said that it is 21400 to 1 that the true value is not below $9''{,}31$ nor above $9''{,}94$.

† The quantity depending on sin 2 ☊ has been inadvertently omitted in M. Bessel's formula

$$\Delta \text{L} = -17''{,}2985 \sin \text{☊} + 0''{,}2082 \sin 2\,\text{☊} - 0''{,}2074 \sin 2\,☽ - 1''{,}2550 \sin 2\,☉$$

22. The value of $\Delta\omega$ and Δ L being thus determined, we may readily compute the effects which these variations will produce in the right ascension and declination of a star; and which will be as follow*:

$$\Delta\alpha = (\cos\omega + \sin\omega \,.\, \sin\alpha \,.\, \tan\delta)\,\Delta \text{L} - \cos\alpha \,.\, \tan\delta \,.\, \Delta\omega$$
$$\Delta\delta = \sin\omega \,.\, \cos\alpha \,.\, \Delta \text{L} + \sin\alpha \,.\, \Delta\omega$$

But, these quantities may be rendered more convenient for arithmetical computation by assuming, as before, $\omega = 23^\circ\ 27'\ 40''$, and expanding the different terms of the equations (except those depending on $2\,☽$, which, on account of their smallness and inconvenience for tabular computation, are here omitted); whence we obtain the differences caused by nutation in the right ascension and declination of a star, as follow:

$$\left.\begin{aligned}
\Delta\alpha = &-(15''{,}868 + 6''{,}887 \sin\alpha \,.\, \tan\delta) \sin \text{☊} \quad - 9''{,}250 \cos\alpha \,.\, \tan\delta \,.\, \cos \text{☊} \\
&+ (\ 0''{,}191 + 0''{,}083 \sin\alpha \,.\, \tan\delta) \sin 2\,\text{☊} + 0''{,}090 \cos\alpha \,.\, \tan\delta \,.\, \cos 2\,\text{☊} \\
&- (\ 1''{,}151 + 0''{,}500 \sin\alpha \,.\, \tan\delta) \sin 2\,☉ - 0''{,}545 \cos\alpha \,.\, \tan\delta \,.\, \cos 2\,☉ \\
\Delta\delta = &+ 9''{,}250 \sin\alpha \,.\, \cos \text{☊} \quad - 6''{,}887 \cos\alpha \,.\, \sin \text{☊} \\
&- 0''{,}090 \sin\alpha \,.\, \cos 2\,\text{☊} + 0''{,}083 \cos\alpha \,.\, \sin 2\,\text{☊} \\
&+ 0''{,}545 \sin\alpha \,.\, \cos 2\,☉ - 0''{,}500 \cos\alpha \,.\, \sin 2\,☉
\end{aligned}\right\} \text{(C)}$$

Construction of the Tables I.—IV.

23. Let us now unite the several equations (A), (B), (C), and we shall have the following expressions for determining the differences in right ascension and declination, caused by Aberration, Precession, and Nutation. For, if we denote the *mean* right ascension and declination of a star by α and δ respectively, as before; and the *apparent* right ascension and declination of the same star by α' and δ' respectively, we shall have

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in his *Fundamenta Astronomiæ:* but has been since supplied by him in *Ast. Nach.* No. 34. Subsequent investigations, however, have shown that the co-efficient of sin 2 ☊ should be $0''{,}21720$ instead of $0''{,}17297$ as there stated.

* See *Fundamenta Astronomiæ*, page 287.

$$(\alpha' - \alpha) = \Delta\alpha =$$
$$-20'',360 \sin \odot . \sin\alpha . \sec\delta$$
$$-18'',677 \cos \odot . \cos\alpha . \sec\delta$$
$$+ (46'',021 + 20'',043 \sin\alpha . \tan\delta)\, t$$
$$-(15'',868 + 6'',887 \sin\alpha . \tan\delta) \sin \mathfrak{Q}$$
$$+ (0'',191 + 0'',083 \sin\alpha . \tan\delta) \sin 2\mathfrak{Q}$$
$$-(1'',151 + 0'',500 \sin\alpha . \tan\delta) \sin 2\odot$$
$$-9'',250 \cos\alpha . \tan\delta . \cos\mathfrak{Q}$$
$$+0'',090 \cos\alpha . \tan\delta . \cos 2\mathfrak{Q}$$
$$-0'',545 \cos\alpha . \tan\delta . \cos 2\odot$$

$$(\delta' - \delta) = \Delta\delta =$$
$$-20'',360 \sin \odot . \cos\alpha . \sin\delta$$
$$-18'',677 \cos \odot (\tan\omega . \cos\delta - \sin\alpha . \sin\delta)$$
$$+20'',043 \cos\alpha . t$$
$$+(9'',250 \cos\mathfrak{Q} - 0'',090 \cos 2\mathfrak{Q}) \sin\alpha$$
$$-(6'',887 \sin\mathfrak{Q} - 0'',083 \sin 2\mathfrak{Q}) \cos\alpha$$
$$+0'',545 \cos 2\odot \sin\alpha - 0'',500 \sin 2\odot . \cos\alpha$$

24. In order to render these formulæ more convenient in the construction the following tables, let us make

$$\frac{6{\cdot}887}{20{\cdot}043} = {\cdot}34362\,^{*}$$
$$\frac{{\cdot}083}{20{\cdot}043} = {\cdot}00413$$
$$\frac{{\cdot}500}{20{\cdot}043} = {\cdot}02495$$

Whence we obtain

$$46{\cdot}02061 \times {\cdot}34362 = 15{\cdot}8135 \quad = 15{\cdot}8685 - {\cdot}0550$$
$$46{\cdot}02061 \times {\cdot}00413 = 0{\cdot}1906 \quad = 0{\cdot}1910 - {\cdot}0004$$
$$46{\cdot}02061 \times {\cdot}02495 = 1{\cdot}1481 \quad = 1{\cdot}1513 - {\cdot}0032$$

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* These values slightly differ from the quotient of the actual numbers here given. But the truth is, that in the actual computation we have carried the figures in the numerator, and in the denominator, to a greater number of decimal places than here set down.

And, by proper substitutions and reductions, we finally obtain

$$\begin{aligned}\Delta\alpha = &+ (t - 0{\cdot}344 \sin \mathfrak{Q} + 0{\cdot}004 \sin 2\mathfrak{Q} - 0{\cdot}025 \sin 2\odot) \times \\ &\qquad (46'',021 + 20'',043 \sin\alpha \,.\, \tan\delta) \\ &- (9'',250 \cos \mathfrak{Q} - 0'',090 \cos 2\mathfrak{Q} + 0'',545 \cos 2\odot) \cos\alpha \,.\, \tan\delta \\ &- 20'',360 \sin\odot \,.\, \sin\alpha \,.\, \sec\delta \\ &- 18'',677 \cos\odot \,.\, \cos\alpha \,.\, \sec\delta \\ &- 0'',0550 \sin \mathfrak{Q} + 0'',0004 \sin 2\mathfrak{Q} - 0'',0032 \sin 2\odot\end{aligned}$$

$$\begin{aligned}\Delta\delta = &+ (t - 0{\cdot}344 \sin \mathfrak{Q} + 0{\cdot}004 \sin 2\mathfrak{Q} - 0{\cdot}025 \sin 2\odot) \times 20'',043 \cos\alpha \\ &+ (9'',250 \cos \mathfrak{Q} - 0'',090 \cos 2\mathfrak{Q} + 0'',545 \cos 2\odot) \sin\alpha \\ &- 20'',360 \sin\odot \,.\, \cos\alpha \,.\, \sin\delta \\ &- 18'',677 \cos\odot \,(\tan\omega \,.\, \cos\delta - \sin\alpha \,.\, \sin\delta)\end{aligned}$$

25. It is manifest that the three quantities in the last line in the expression for $\Delta\alpha$, are too minute to affect the result in any sensible manner: they may therefore be wholly omitted. Whence, by making

$$\left.\begin{aligned}\mathbf{A} &= -18'',677 \cos\odot \\ \mathbf{B} &= -20'',360 \sin\odot \\ \mathbf{C} &= t - 0{\cdot}025 \sin 2\odot - 0{\cdot}344 \sin\mathfrak{Q} + 0{\cdot}004 \sin 2\mathfrak{Q} \\ \mathbf{D} &= -0'',545 \cos 2\odot - 9'',250 \cos\mathfrak{Q} + 0'',090 \cos 2\mathfrak{Q} \\ a &= +\cos\alpha \,.\, \sec\delta \\ b &= +\sin\alpha \,.\, \sec\delta \\ c &= +46'',021 + 20'',043 \sin\alpha \,.\, \tan\delta \\ d &= +\cos\alpha \,.\, \tan\delta \\ a' &= +\tan\omega \,.\, \cos\delta - \sin\alpha \,.\, \sin\delta \\ b' &= +\cos\alpha \,.\, \sin\delta \\ c' &= +20'',043 \cos\alpha \\ d' &= -\sin\alpha\end{aligned}\right\} \quad (\mathrm{D})$$

we have the total correction for aberration, precession, and nutation, equal to

$$\left.\begin{aligned}\Delta\alpha &= a\,\mathbf{A} + b\,\mathbf{B} + c\,\mathbf{C} + d\,\mathbf{D} \\ \Delta\delta &= a'\mathbf{A} + b'\mathbf{B} + c'\mathbf{C} + d'\mathbf{D}\end{aligned}\right\} \quad (\mathrm{E})$$

It is evident, on inspection, that the quantities denoted by a, b, c, d, and by a', b', c', d', may, for all the purposes of our present inquiry, be considered as constant for each star. Whence, tables of those values, once computed, will last for many years, without requiring any material correction: particularly if the stars do not exceed 30° in declination, which is the case with most of the stars in the present catalogue. The logarithms of these values are given in separate columns, in the General Catalogue at the end of this paper. I shall afterwards advert to the differences which arise in some of those stars which have very considerable declination.

26. I shall now proceed to explain the peculiar contrivance by which the values of A and B also are rendered equally constant for all the stars, and for any given day in any given year, notwithstanding the variation in the sun's longitude on such days.

For this purpose, a fictitious year is assumed, commencing from that moment of time when the sun's *mean* longitude at Greenwich, at *mean* noon on January 1st, is exactly 281°: or (which is the same thing) when his mean right ascension at that time is exactly $18^h\ 44^m\ 0^s$.

The sun's mean motion in longitude, in a mean solar day, is $59'\ 8'',33$: whence, by continual addition, we may readily obtain his mean longitude at mean noon on every day throughout the year. These values having been found in the manner thus described, I have applied the *equation of the centre* on each day (assuming the place of the perigee equal to 280°*), and thus obtained the *true* longitude of the sun for each day of the fictitious year above mentioned. But, since the mean longitude of the sun is not exactly the same at the commencement of each civil year, a correction is required, for reducing the values in the table to the true epoch, and which I shall now explain.

27. I have already observed that, in these tables, the year is supposed to commence on January 1st, at that moment of time when the sun's mean longitude at mean noon at Greenwich is exactly 281°. This I shall call the *tabular* date: but in order to adapt this date to the current date in any year, according to the usual mode of computing astronomical time from noon to noon, regard must be had to the actual mean longitude of the sun at mean noon at Greenwich, at the commencement of each year. This may be readily

* This will be the correct place of the perigee in the year 1830; and its annual variation is only 62″: so that no perceptible error can arise from this assumption, for many years either before or after that epoch.

determined by means of the solar tables: and the values thus found, being deducted from 281°, and reduced to the fractional part of a day, will show the excess of the tabular date above the civil date, reckoned from noon. Thus, the sun's mean longitude at mean noon at Greenwich on January 1, 1800, was, according to the tables of M. DELAMBRE as edited by Mr. VINCE, equal to 280° 53′ 29″,9: which, being deducted from 281°, leaves 6′ 30″,1. This value, divided by 59′ 8″,33 (or the sun's mean motion in a mean solar day) gives 0ᵈ.10994 for the excess of the tabular date above the civil date, estimated in decimal parts of a day. This correction I shall denote by x: and its value, being thus found for the year 1800, will serve to determine the correction for any other year ($=1800+y$) by means of the following formula:

$$x = \frac{1}{59'\,8'',33}\,(6'\,30'',1 + (y - 4\beta)\,14'\,47'',08 - 27'',48\,y)$$

$$= 0^{d}.10994 + \tfrac{1}{4}(y - 4\beta) - 0^{d}.0077446\,y \qquad (F)$$

where y denotes the number of years from 1800, positive *after* and negative *before* that epoch; and β the number of bissextile *days* between the year 1800 and the *commencement* of the year ($1800+y$). It is in this manner that I have computed the values in Table III, which will be more particularly alluded to in the sequel.

28. But, a further correction will be required when the tables are used with reference to any other meridian than Greenwich; the amount of which will of course depend on the longitude of the place (east or west) from that observatory. Let $+m$ denote the difference of a meridian situated *east* from Greenwich, and expressed in *hours**: then will the correction (l), on account of the longitude, be expressed by

$$l = \frac{m}{24^{h}} \qquad (G)$$

29. If therefore the tabular date be denoted by τ, and the date, according

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* According as m is expressed in *hours*, *minutes*, or *seconds*, of time, we shall have l equal to the following values:

for hours $l = m \times \cdot 041666666$

for minutes $l = m \times \cdot 000694444$

for seconds $l = m \times \cdot 000011574$

to the usual mode of reckoning astronomical mean solar time, be denoted by T, we shall have

$$\tau = \mathrm{T} + x + l$$
$$\mathrm{T} = \tau - x - l$$

If the longitude of the place be situated *west* from Greenwich, the *sign* of l must be *changed* in each equation. But, in the construction of Table IV, this point has been attended to.

These equations serve to show the corresponding values of the civil date and of the tabular date on any given day at noon: to which must be added the hour of observation (h), at Greenwich, converted into the decimal part of a day, in order to obtain the total corresponding value of the table at that hour. Let h' be the hour of observation (mean solar time) under any other meridian; then will $h' = h - l$: and the argument of Tables I. and II. will be

$$\tau + (h - x - l) = \tau + (h' - x)$$

But, $(h - x - l)$ or $(h' - x)$ will generally be the *fractional* part of a day: and therefore, unless very great accuracy be required, we may use the tabular date without any correction, particularly if the star be situated in any point within 30° of the equator: since the daily variation, in stars so situated, is generally but a very small quantity. In fact, even in the pole star, the nearest *hour*, or $0^d.04$, may in all cases be taken, without the risk of causing an error of more than the hundredth part of a second in time, in right ascension.

30. The mean longitude of the moon's node on January 1st, 1800, when the mean longitude of the sun was 281°, was, by the recent tables of M. Damoiseau, equal to 33° 12′ 38″, or 33°.2107. The mean motion of the longitude of the node during a mean tropical revolution of the sun is — 19°.34178: consequently we obtain, by repeated addition, the mean longitude of the node for the first day of January in any year required, either before or after the epoch above mentioned, at the time that the sun's mean longitude is 281°. The motion of the nodes, in a mean solar day, is — 0°.052956: which is so small, that we may in general take an interval of 100 days for determining the value of &, and compute the intermediate quantities, depending on that argument, by simple proportion, without the risk of any perceptible error. Assuming the mean longitude of the node on January 1st, 1800, to be 33°.2107, we shall have the mean longitude on January 1st in any other year $(= 1800 + y)$, equal to

$$33°.2107 - 19°.34178\, y$$

the year being considered, in this case, as commencing when the sun's mean longitude is 281°. It is in this manner that the values in Table VI. have been computed*: and by subtracting 5°.295604 (the motion in 100 mean solar days) and its multiples, successively from the values on January 1st so computed, we obtain the mean longitude of the node on April 11th, July 20th, &c., in any common year; or on April 10th, July 19th, &c., in any bissextile year.

Explanation and use of the Tables.

31. The GENERAL CATALOGUE at the end of this paper contains a list of all the stars which are the subject of the present inquiry; arranged in the order of their right ascensions, and reduced to January 1st, 1830. The left hand page is confined to the right ascensions, and the right hand page to the declinations.

On the *left hand* side, the first column denotes the numbers in the present catalogue; which are continued uninterruptedly from No. 1, to the end, for the sake of a convenient reference. The second column contains the stars arranged according to their right ascensions: the constellations are always given; and to the stars are prefixed FLAMSTEED's numbers; the letters of the alphabet, by which they are usually distinguished, being also subjoined. The third column denotes the magnitude of the stars: and the fourth, the right ascensions *in time*, for January 1, 1830. The fifth contains the annual precession, *in time*: and here it may be proper to observe that no allowance has been made for the proper motion of any star unless from accurate observations it may be presumed to amount to $0''{,}50$ in space (or $0^s{,}033$ in *time*); which is the case with 57 stars only, as will be more particularly alluded to in the sequel. (See § 54.) The four remaining columns contain the logarithms of the quantities a, b, c, d; each of which has been previously divided by 15, in order to reduce them to *time*.

On the *right hand* page, the first column denotes the same as the first column on the left side: and is here retained for the sake of a ready comparison of the different stars. The second column denotes the declinations of the stars on Jan. 1st, 1830: where + denotes north declination; and — south declination†. The third column denotes the annual precession, computed

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* In this table the *degree* is divided into *decimal* parts, for the convenience of computation: a method which I hope to see more generally adopted in astronomical tables.

† These signs are used also *algebraically*: so that the declinations of stars situated to the *south* of the equator must be considered as *negative* quantities: and therefore when the amount of

from the formula in § 17, without any regard to the proper motion, unless from accurate observations it may be presumed to amount to 0″,50; which is the case with 35 stars only, as will be more particularly alluded to hereafter. The fourth, fifth, sixth, and seventh columns contain the logarithms of a', b', c', d'. And the last three columns are for the purpose of identifying the stars with those in other catalogues. The columns marked *Bradley* and *Piazzi* denote respectively the corresponding numbers in Bessel's catalogue of Bradley's stars, and in the catalogue of Piazzi: whilst the last column is reserved for those which are to be found in Hevelius, La Caille, Mayer, and Zach: and which are distinguished by the initials of their names.

32. With respect to the construction of the other tables, I would observe that Table I. contains the logarithms of

$$A = -18'',677 \cos \odot$$
$$B = -20'',360 \sin \odot$$

for every day of the year: where $\odot$ is deduced agreeably to the principles laid down in § 26. The hour of the day at Greenwich to which this table corresponds, in any given year, is shown by x in the last column in Table III; or by $(x-l)$ under any other meridian: and, in most ordinary cases, will be sufficiently near without interpolation. But, if the value is required for any other hour, we must enter the table with the argument stated in § 29; and take the proportional part accordingly. The civil day is supposed to commence at mean noon, and to be continued, through the 24 hours, till mean noon on the following day. The year is continued to the fictitious date of December 37, for the convenience of computing the annual tables, to which I shall presently allude.

33. Table II. shows the value of the logarithms of C and D for every tenth day of the year 1826 to 1830. I have not continued this table beyond that period, as I hope, by that time, the subject will have attracted the attention of the conductors of the several national ephemerides, and that they may think it advisable to publish annually these values, which will not occupy more than a single page, and may be computed in the space of an hour.

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aberration, precession, and nutation, in declination, is a *positive* quantity, it must be *subtracted* from the mean declination: and, on the contrary, when it is a *negative* quantity, it must be *added* thereto, in order to obtain the apparent declination. A simple attention to the common rule of the signs, will render this free from ambiguity. Some astronomers still consider the *declination* as always *positive*; and *change* the sign of the precession, &c. when the star has *south* declination. But the former plan is the most convenient, particularly in the present arrangement.

The motion of the nodes is so slow, and the quantities so small, that it would be a waste of time to compute the values, for ordinary purposes, for shorter intervals than ten days.

34. Tables III. and IV. show the corrections which must be made to the tabular date, in order to obtain a correct solution from Tables I. and II. when great accuracy is required: agreeably to what has been already said in § 27, 28, and 29. The last column in Table III. denotes the hour of the day at Greenwich, to which the values in Table I. are adapted throughout any given year: and which is equal to $x - l$ under any other meridian. In general, the use of these two tables may be dispensed with. I shall however state the method of employing them, in the examples which will be subsequently adduced.

Tables V. VI. VII. are *subsidiary* tables, for the purpose of computing the annual values in Table II.: and will be more particularly referred to in the sequel. See § 42.

Table VIII, which has been already alluded to in the note in page v, does not require any explanation.

35. The general rule, for finding the aberration, precession, and nutation of a star, according to the method explained in this paper, is by § 25 equal to

$$\Delta\alpha = a\,\mathrm{A} + b\,\mathrm{B} + c\,\mathrm{C} + d\,\mathrm{D}$$
$$\Delta\delta = a'\mathrm{A} + b'\mathrm{B} + c'\mathrm{C} + d'\mathrm{D}$$

So that we have only to take out from the General Catalogue, and opposite the given star, the logarithms of a, b, c, d, and a', b', c', d', with their proper signs: and to write down under these respectively, from the Tables I. and II. opposite the given day, the logarithms of A, B, C, D, with their proper signs. The whole of the subsequent process then will be, to add each pair together, and take out respectively the natural numbers corresponding to the sum of each pair of logarithms. But it should be particularly observed that the *signs* annexed to the logarithms affect only the *natural* numbers; for, in *all* cases, the logarithms are to be *added* together: and with respect to the signs, it must be observed that the addition of two *like* signs produces a *positive* natural number, and the addition of two *unlike* signs produces a *negative* natural number. The sum of the four natural numbers thus produced (regard being had to their signs) will be the total correction required in right ascension or declination, on the given day; and for the mean solar hour at Greenwich denoted in the last column of Table III: or, for the mean solar hour denoted

by $x - l$ under any other meridian. This correction, applied to the *mean* place of the star at the *beginning of the year*, will give the *apparent* place of the star *on the day required.*

36. If the given mean solar hour at Greenwich is not the same as that which is denoted by x in the last column of Table III, or by $x - l$ under any other meridian, and if very great accuracy is required, we must find the correct values of the logarithms of A and B by interpolation. For this purpose we must enter Table I. with the argument $\tau + (h - x - l)$ or $\tau + (h' - x)$, and take the proportionate value corresponding thereto. But, in most ordinary cases, this will be unnecessary.

37. If the given day is not one of those given in Table II, we must find the values of the logarithms of C and D also by interpolation: which may be readily determined, since the values are there given for every tenth day in the year. In this table it will seldom be necessary to attend to the fractional part of a day. However it may be easily taken into account, if required.

Examples.

38. Let it be required to determine the correction for aberration, annual precession, and nutation, of *Sirius*, both in right ascension and declination, on Feb. 10, 1830. The operation will stand thus.

In Right Ascension.

		a	b	c	d	
By Gen. Cat.	*Sirius*	$= -8{\cdot}0558$	$+8{\cdot}8363$	$+0{\cdot}4278$	$+7{\cdot}5089$	
By Tab. I. II.	Feb. 10.	$= -1{\cdot}1660$	$+1{\cdot}1011$	$+8{\cdot}8915$	$+0{\cdot}9573$	
	Sum	$= +9{\cdot}2218$	$+9{\cdot}9374$	$+9{\cdot}3193$	$+8{\cdot}4662$	
	Natural numbers	$= +0^s,167$	$+0^s,866$	$+0^s,209$	$+0^s,029$	$= +1^s,271$

In Declination.

		a'	b'	c'	d'	
By Gen. Cat.	*Sirius*	$= +9{\cdot}8426$	$+8{\cdot}6667$	$-0{\cdot}5156$	$-9{\cdot}9941$	
(as above)	Feb. 10.	$= -1{\cdot}1660$	$+1{\cdot}1011$	$+8{\cdot}8915$	$+0{\cdot}9573$	
	Sum	$= -1{\cdot}0086$	$+9{\cdot}7678$	$-9{\cdot}4071$	$-0{\cdot}9514$	
	Natural numbers	$= -10'',200$	$+0'',586$	$-0'',255$	$-8'',944$	$= -18'',813$

Whence it appears that the total correction in right ascension is $= + 1^s,271$; and, in declination, $= - 18'',813$. These quantities must be applied, with the proper signs*, in the usual manner, to the *mean* place of the star at the beginning of the year, in order to obtain the *apparent* place on the given day. Whence we obtain, for the apparent place of *Sirius* on Feb. 10, 1830,

$$\begin{aligned} \text{R} &= 6^h\ 37^m\ 39^s,27 + 1^s,271 = 6^h\ 37^m\ 40^s,54 \\ \text{D} &= -16^\circ\ 29'\ 18'',74 - 18'',813 = -16^\circ\ 29'\ 37'',55 \end{aligned}$$

39. The above calculation is strictly correct only when the star has been observed at Greenwich, at $9^h\ 4^m$ mean solar time at that place; or under any other meridian at the mean solar time denoted by $(x - l)$: this being the moment of time to which the values A, B, C, D, in Tables I. and II. correspond *for that year*, agreeably to what has been already stated in § 32†. But, we may very readily find the values for any other hour, and for any other meridian, by forming the proper argument alluded to in § 28 and 29, and taking out the proportional parts in the manner indicated in § 36 and 37. An example or two will best illustrate the method of proceeding on such occasions. *Case* 1. Let the mean solar time of observation be at midnight, or 12^h mean solar time, at any place on the meridian of Greenwich. *Case* 2. Let the time of observation be at 18^h mean solar time at Greenwich, and the place of observation at Copenhagen. *Case* 3. Let the time of observation be at 6^h mean solar time at Greenwich, and the place of observation at Philadelphia. *Case* 4. Let the place of observation be at Dublin, and the mean solar time *at that place* equal to 3^h. The formation of the several arguments, for these cases, will be as follows:

Case 1	Arg. = Feb. 10 + (·500 − ·378)	= Feb. 10^d.122
Case 2	Arg. = Feb. 10 + (·750 − ·378) − ·035	= Feb. 10 .337
Case 3	Arg. = Feb. 10 + (·250 − ·378) + ·209	= Feb. 10 .081
Case 4	Arg. = Feb. 10 + (·125 − ·378)	= Feb. 9 .747

* See the note in § 31.

† When the value of x extends beyond 24^h, as in the years 1804, 1808, and 1812, the values of A, B, C, D, refer to the afternoon of the *subsequent* day: and where x is negative, as in the year 1849, those values refer to the forenoon of the *preceding* day: always bearing in mind that the day is supposed to begin and end at noon, agreeably to the common mode of computing astronomical time.

40. In the first three of these cases, the values of A, B, C, D will fall between Feb. 10 and 11: but, in the latter case, they will fall between Feb. 9 and 10. And, as it is useless to multiply examples, where the method of proceeding is the same in all, I shall take the last case only, and show how the proportional parts are computed in that example. The operation therefore (supposing *Sirius* still to be the star observed) will stand as follows:

In Right Ascension.

		a	b	c	d
(as before)	*Sirius*	$= -8{\cdot}0558$	$+8{\cdot}8363$	$+0{\cdot}4278$	$+7{\cdot}5089$
By Tab. I. II.	Feb. 9.75	$= -1{\cdot}1645$	$+1{\cdot}1035$	$+8{\cdot}8876$	$+0{\cdot}9576$
	Sum	$= +9{\cdot}2203$	$+9{\cdot}9398$	$+9{\cdot}3154$	$+8{\cdot}4665$
	Natural numbers	$= +0^s,166$	$+0^s,871$	$+0^s,207$	$+0^s,029 = +1^s,273$

In Declination.

		a'	b'	c'	d'
(as before)	*Sirius*	$= +9{\cdot}8426$	$+8{\cdot}6667$	$-0{\cdot}5156$	$-9{\cdot}9941$
(as above)	Feb. 9.75	$= -1{\cdot}1645$	$+1{\cdot}1035$	$+8{\cdot}8876$	$+0{\cdot}9576$
	Sum	$= -1{\cdot}0071$	$+9{\cdot}7702$	$-9{\cdot}4032$	$-0{\cdot}9517$
	Natural numbers	$= -10'',165$	$+0'',589$	$-0'',253$	$-8'',950 = -18'',779$

The little difference which is found between these and the two preceding computations, will show that we might have been content with the first approximation, without incurring the labour of calculating the proportional parts of A, B, C, D.

Subsidiary Tables for computing C *and* D.

41. It will readily be seen, after the explanations here given, that all the tables will be constant (or nearly so) for many years together; except that which contains the logarithms of C and D, which must be computed for every year for which they are required. But, as it is not requisite to calculate such values for shorter intervals than ten days, and as they are computed with very little trouble and are contained in a very small compass, I trust that the hope which I have expressed of seeing them annually inserted in the various national ephemerides which are published, will not be disappointed.

42. In order to save the time and labour of the computers of such tables, I have inserted Tables V. VI. and VII. in the following collection: by the help

of which, those annual values may be more readily calculated than by the strict formula. Table V. gives the value of

$$C' = t - 0.0249 \sin 2 \odot$$
$$D' = -0'',5447 \cos 2 \odot$$

for every tenth day of the year; which day is made the argument in the first column. In these formulæ, $\odot$ (which denotes the sun's true longitude) is determined in the manner already explained in § 26. Table VI. shows the mean longitude of the moon's node on January 1st in every year, agreeably to the principles already laid down in § 30; and, by adding $-5°.2956$ successively to the value set against any given year, we obtain the mean longitude of the node at the end of every interval of 100 days throughout that year*. With these results, as arguments, we enter Table VII, which contains the values of

$$C'' = - \cdot3436 \sin \Omega + \cdot0041 \sin 2\Omega$$
$$D'' = - 9'',250 \cos \Omega + 0'',090 \cos 2\Omega$$

for every fifth degree of the circle; and which will not only save much time and labour to future computers, but likewise prevent that confusion and liability to error which frequently occurs when calculating the value of quantities depending on the single and double arcs. Having obtained the proper values of C'' and D'' for every hundredth day, by means of this table, we must take one-tenth part of the differences of those values; which being properly applied, will serve to determine the value, sufficiently near, for every tenth day during the year, corresponding with Jan. 1, 11, 21, 31, &c.

43. The values thus obtained by Table VII, being added to those set against the corresponding days in Table V, we shall have the required values

$$C = C' + C''$$
$$D = D' + D''$$

for every tenth day throughout the year.

For example: let it be required to find the values of C and D for every tenth day of the year 1830.

The values of C' and D' are already given by Table V: it therefore re-

* The fictitious date is continued to December 67 for the convenience of computation.

mains only to find C″ and D″. Now by Table VI. the mean longitude of the moon's node on Jan. 1, 1830, is 172°.957 : and, by deducting 5°.2956 successively from that value, we obtain the mean longitude of the node for every hundredth day in that year. With these values, as arguments, we obtain, by Table VII, the values of C″ and D″ as under :

1830.	☊ = Argument.	C″	D″
Jan. 1	172°.957	−0.04310	+9″,24907
April 11	167.661	−0.07508	+9,10018
July 20	162.366	−0.10638	+8,87205
Oct. 28	157.070	−0.13672	+8,56670
Dec. 67	151.775	−0.16581	+8,18706

The values for the intermediate decades may be taken with sufficient accuracy by means of the differences of the above values : whence we obtain the values of C and D, for every tenth day, as under :

1830.	C = (C′ + C″)	D = (D′ + D″)
Jan. 1	−0.03375	+9″,75386
11	−0.00212	+9,63608
21	+0.02741	+9,46816
31	+0.05417	+9,26954
Feb. 10	+0.07785	+9,06340
20	+0.09855	+8,87347
&c.	&c.	&c.

the *logarithms* of which will be the tabular values for the year 1830. And, in this manner we must proceed in order to determine the logarithms of C and D for every tenth day in any other year.

Sidereal and mean solar time.

44. The tables computed by M. Schumacher, upon the principles laid down in this paper, and which have been already alluded to in § 5, are arranged and adapted to *sidereal* time : and the argument for entering those

tables is the sidereal time of observation. This, undoubtedly, would be the most convenient arrangement, if the tables were used solely for the purpose of *reducing* observations. But, since they may be frequently used for determining the apparent places of stars, which have been observed not only at the moment of culmination, but also at a distance from the meridian, (which will, for the most part, be the case in comparing them with a comet, or planet, in taking altitudes for the time, in the computation of occultations, and in other branches of practical astronomy,) I am induced to believe that the use of the tables would be rendered more general and convenient, if they were arranged to *mean solar* time. More especially as these tables may frequently be resorted to by persons travelling for the purposes of science; and by others who have not the advantage of fixed instruments, and to whom the arrangement of mean solar time will be more familiar and useful than that of sidereal time. The tables therefore in this memoir are computed for *mean solar time, at the meridian of Greenwich.*

45. But, since it is not necessary to attend to the nearest minute of time, (and, in most cases, not even to the nearest hour,) we may readily convert the one species of time into the other, when found necessary. For, if we denote the mean solar time at Greenwich by M, the corresponding sidereal time by S, and the *mean* right ascension of the sun at the preceding *mean* noon at Greenwich by Æ, we shall have, in all cases, sufficiently near* for our present purpose,

$$\mathrm{M} = \mathrm{S} - Æ$$
$$\mathrm{S} = \mathrm{M} + Æ$$

46. In the tables proposed by M. Bessel, and since adopted by M. Schumacher, the fictitious year (alluded to in § 26) is supposed to commence from that moment of time when the sun's mean longitude at *Paris*, at mean noon on January 0, is exactly 280°; or when his mean right ascension at that time is $18^h\ 40^m$; and the year is supposed to consist of $366\frac{1}{4}$ *sidereal* days. The sun's mean motion in longitude in a sidereal day is $58'\ 58'',64$; whence, by continual addition we obtain his mean longitude at $18^h\ 40^m$ sidereal time on

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* The true values are $\mathrm{M} = \mathrm{S} - Æ - a$, and $\mathrm{S} = \mathrm{M} + Æ + \mathrm{A}$: where a denotes the acceleration of the fixed stars (expressed in sidereal time) for the time $(\mathrm{S} - Æ)$; and A the acceleration (expressed in mean solar time) for the time M. But a never exceeds $3^m\ 55^s,909$: and A never exceeds $3^m\ 56^s,555$.

every day throughout the year: and, by applying the equation of the centre (as already explained) we obtain his true longitude for the respective sidereal days required.

By a similar method of proceeding, the mean longitude of the moon's node has been determined by M. Schumacher for January 0, 1800, when the mean longitude of the sun was exactly 280°. And by adding successively — 19°.342 (or the mean motion of the longitude of the node in a sidereal year), we obtain the mean longitude of the node on January 0, at $18^h\ 40^m$ sidereal time, in every succeeding year. The mean motion in 100 *sidereal* days is — 5°.281: whence we obtain, as in § 30, the mean longitude of the node at $18^h\ 40^m$ sidereal time on January 0, April 10, July 19, &c, in any year.

47. It is on these principles that M. Schumacher has computed his tables for the values of A, B, C, D; which are adapted to *sidereal* time: and which must be carefully distinguished from the present tables of those quantities, which are adapted to *mean solar* time. These observations, however, do not extend to the General Catalogue, containing the logarithms of the values of a, b, c, d. and a', b', c', d': since those values are independent of the time employed, and may be used with either arrangement*.

Proper motion of the stars.

48. I have already stated, in § 31, that the annual precession is (with very few exceptions) given in the General Catalogue, without any reference to the *proper motion* of the star, either in right ascension or declination.

After a star has, from a number of observations, been reduced to its mean place at the beginning of any year, by a correction of all the errors by which those observations are known to be affected, and then compared with the mean place of the same star, similarly reduced to an epoch distant from the former by a given number of years; the difference between the two values ought to

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* It may be proper here to state that the values denoted in the present tables by A, B, C, D, are denoted by M. Schumacher C, D, A, B, respectively. But, in the choice of characters to represent given quantities, it is desirable that we should, as much as possible, make them serve the purpose of an *artificial memory*. It is on this account that I have made A, B, represent the quantity by which the ABerration is determined; C the quantity by which the preCession is determined; and D the quantity by which the Deviation, or (as it is now more generally called) the nutation, is determined.

be equal to the amount of the precession of the equinoxes, in the interval between the two epochs. It seldom happens, however, that this is exactly the case: and, when any inequality of this kind arises, it is usually attributed to a proper motion in the star itself*.

49. But, the difficulty of distinguishing this motion from that which arises from the precession of the equinoxes (with the exact principles and laws of which we are not at present sufficiently acquainted, to enable us to determine accurately so minute a quantity)—the slight differences which may sometimes arise from a small error in the assumed obliquity of the ecliptic—the errors of observation and computation—and the differences in the formulæ employed in the reduction of the observations themselves—supply too many sources of error to enable us to assert, with much confidence, that the slight differences which appear in the comparison of observations, made even at distant periods, arise solely from a proper motion in the star.

Yet there are notoriously some stars whose motions cannot be reconciled to the effects of precession alone; and where the evidence of a proper motion is too great to be doubted. A remarkable instance of this kind occurs in the double star 61 *Cygni*†, whose annual proper motion appears to be $+ 4''{,}98$ in right ascension, and $+ 3''{,}24$ in declination. In most cases, however, the supposed proper motion is much less than this: and frequently nothing more than what may be attributed to the errors of observation or computation. Nevertheless, M. Bessel has stated (*Fundamenta Astronomiæ*, page 308) that

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* M. Piazzi, on comparing the observations of the right ascension of *Polaris* (See his Catalogue, page 8) has deduced the following values of the supposed annual proper motion of this star:

from Hevelius	$= + 6''{,}82$
—— Flamsteed	$= + 9\ {,}03$
—— La Caille	$= + 3\ {,}96$
—— Bradley	$= + 1\ {,}62$

He very properly, however, subjoins the following remark: "Quamvis autem postrema cæteris "probabilior sit, nec ipsi tamen plurimum fidendum. Etenim præcessio, ingens nimis, nec eadem "constans, minime sinit, quominus annua ipsius variatio, et si geometrice investigata, a motu pro- "prio nitide secernatur." It was reserved for M. Bessel, to determine the law by which the annual variation of this star is governed. See his *Fund. Astron.* page 306.

† It is a singular circumstance that the greatest portion of those stars, which are supposed to have a proper motion, consists of *double* stars. M. Bessel, in his *Fund. Astron.* page 311, has given a list of several of them.

out of 2959 stars in Bradley's catalogue, compared with the same stars in Piazzi's catalogue, he found that 425 had an annual proper motion, in the arc of a great circle, of more than $0''{,}2$.

50. The annual proper motion (μ) of a star is found by comparing its mean places (denoted by M and M′) as they exist in two catalogues, reduced from observations made at a distance of y years from each other: for, in such case, we have

$$\mu = \frac{M' - M}{y} - \Pi$$

where Π denotes the annual precession of the star, for the year which is equidistant from the epochs of the two catalogues. In the comparison, therefore, of the catalogues of Bradley and Piazzi, the formula will be,

$$\mu = \frac{P - B}{45} - \frac{p + \pi}{2}$$

where B, P, π, and p denote the same quantities as in § 6.

51. It is evident, hereby, that the value of μ will depend not only on the accuracy of the observations and computations, and on the elements employed in their reduction, but also on the formula from which Π is derived. It is to these various sources of discordancy that we must principally attribute the great disagreements between different astronomers relative to this supposed motion. For, in many cases, some of the greatest names have differed even as to the *direction* of the motion of particular stars: one making it *positive*, whilst in the same star another considers it as *negative*.

For instance, let us take the case of 24 θ *Andromedæ*, and compare its right ascension as observed by Piazzi in 1800, with that deduced from the observations of Bradley, as reduced by M. Bessel to the year 1755. Here we have

$$\mu = \frac{P - B}{45} - \frac{p + \pi}{2} = \frac{1^\circ\ 40'\ 9''{,}3 - 1^\circ\ 5'\ 31''{,}2}{45} - 46''{,}375 = -\ 0''{,}195$$

But, if we compare it with Bradley's observations as reduced by M. Pilati*, we shall have

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* The value given by M. Pilati (in Piazzi's catalogue, page 179) is $1^\circ\ 6'\ 1''{,}4$; because the reduction is made to the year 1756. I have, therefore, subtracted $46''{,}3$ in order to reduce it to 1755.

$$\mu = \frac{1^\circ\ 40'\ 9'',3 - 1^\circ\ 5'\ 15'',1}{45} - 46'',375 = +\ 0'',160^*$$

Again, the proper motion of 86 μ *Herculis* in right ascension, if deduced from the observations of BRADLEY as reduced by M. PILATI, will be $-\ 0'',29$: but if deduced from the same observations as reduced by M. BESSEL, it will amount to $-\ 0'',51$, and consequently ought in such case to be inserted in the list to which I shall presently allude.

52. These are cases which evidently arise from some error or difference in the reductions: but they are by no means singular; since they frequently occur. M. BESSEL has, in his *Fund. Astron.* page 316 &c, given a list of some of these differences which arise from a comparison of his own reductions of BRADLEY's observations, with those made by M. PILATI: and also of the differences in the reduction of MAYER's observations. These differences are in many cases very considerable: and much greater than ought to arise from the difference of the elements employed in the computation. Even the proper motions of what are called the *Greenwich stars* (which have been so long, so repeatedly, and so minutely observed) are by no means satisfactorily ascertained: and the differences which are discovered, in various comparisons, may probably arise from one or more of the causes here alluded to†.

53. Under these circumstances, therefore, and considering the various sources of error with which this branch of astronomy is perplexed, I have thought it advisable, in the computation of the values of the annual precessions, and of the logarithms of c and c' in the following General Catalogue, to omit altogether the supposed annual proper motion of the star, unless, from a comparison of the observations of BRADLEY or MAYER with those of PIAZZI, it amounts to $0'',50$ in *space;* and to insert in all other cases merely the value

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* This is the value given by M. PIAZZI in his catalogue: but he has erroneously quoted MAYER instead of BRADLEY. MAYER did not record any observations of this star.

† Baron ZACH compared MASKELYNE's observations of the right ascensions of these stars, as reduced to 1802, with those of BRADLEY reduced to 1760. The result of this examination is given in his *Tabulæ Speciales*, page 67: but, it differs in many respects from the deductions of Dr. MASKELYNE himself. To mention only one important fact; the proper motions (in right ascension) of γ *Pegasi*, α *Ceti*, *Rigel*, *Sirius*, *Spica*, γ and β *Aquilæ*, α *Cygni*, α *Aquarii*, and α *Pegasi*, are *all positive* according to Baron ZACH: whilst Dr. MASKELYNE (at the same time that he differs as to the *amount* of the proper motions in each of these respective stars) considers them as *all negative*. See also, *passim*, the Notes annexed to PIAZZI's Catalogue of Stars.

of the annual precession, as deduced from the formula in § 17 : leaving the proper motion of such stars (when considered to be determined with sufficient accuracy) to be applied to the annual precession, as occasion may require, when we wish to obtain the correct *annual variation*. No error of any consequence is likely to arise from the adoption of this method: for, the *annual* proper motion of a star will in such case be so very small, that it cannot materially affect the value of c and c'. It is only when we wish to apply it for the purpose of determining the mean place of a star, at the end of an interval of *several years*, that its effects are likely to be at all discernible.

54. The following table contains a list of all those stars observed by Bradley and Mayer, whose annual proper motions, according to M. Piazzi, as given in his catalogue, amount to $0''{,}5$ (in *space*) either in right ascension or declination* : and which (agreeably to what is above stated) are included in the annual precessions. The numbers affixed are those of Flamsteed, unless they are inclosed in a parenthesis, in which case they denote Piazzi's numbers. It would be useless to swell this list with those stars whose motions are supposed to be less than the amount above mentioned: since very little dependence can be placed on such minute quantities, and no sensible error can arise from their rejection. In the General Catalogue an asterisk is affixed to the annual precessions which are thus altered.

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* In the column of Declinations, the *positive* sign denotes a motion towards the *north*; and the *negative* sign a motion towards the *south*.

Star.	Proper motion in Æ	Proper motion in D
11 β Cassiopeæ ..	+0″,82	
24 η ——— ..	+1,78	−0″,72
37 μ Andromedæ .	+1,20	
1 Polaris	+1,47	
37 δ Cassiopeæ ...	+0,64	
107 Piscium		−0,57
52 τ Ceti	−1,86	+0,84
13 θ Persei	+0,67	
12 Eridani	+0,64	+0,82
23 δ ———		−0,60
27 m' ———		−0,59
40 d ———	−2,21	−3,60
1 Orionis	+0,54	
104 m Tauri	+0,69	
15 δ Leporis		−0,62
9 α Can. Maj. ..	−0,51	−1,14
10 α Can. Min. ..	−0,71	−0,98
78 β Geminorum ..	−0,72	
15 ψ^3 Cancri	−0,60	
9 ι Ursæ Maj. ..	−1,05	
81 π Cancri	−0,55	
25 θ Ursæ Maj. ..	−1,80	−0,60
29 υ ——— ..	−0,60	
7 α Crateris	−0,59	
63 χ Leonis	−0,53	
53 ξ Ursæ Maj. ..	−0,52	−0,64
94 β Leonis	−0,53	
5 β Virginis	+0,76	
16 c ———	−0,55	
5 κ Draconis	−0,50	
3 Canum Ven. .	−1,02	
29 γ Virginis	−0,72	
43 δ ———	−0,65	
43 Com. Ber. ..	−1,19	+0,94
61 Virginis	−1,30	−1,08
70 ———		−0,53
85 η Ursæ Maj. ..	−0,50	

Star.	Proper motion in Æ	Proper motion in D
5 θ Centauri	−0″,63	
16 α Bootis	−1,17	−1″,96
19 λ ———	−0,55	
23 θ ———	−0,80	−0,54
44 ———	−0,91	
41 γ Serpentis		−1,31
49 Libræ	−0,75	
18 Scorpii		−0,53
40 ζ Herculis	−0,70	
26 ε Scorpii	−0,65	
36 α Ophiuchi	−0,59	−1,25
30 Scorpii	−0,58	−1,24
22 ε Ursæ Min. ..	−0,82	
27 f Draconis	−0,51	
86 μ Herculis		−0,84
70 p Ophiuchi		−1,17
58 η Serpentis	−0,67	−0,68
44 χ Draconis	+1,72	
(50) Sagittarii		−0,54
31 b Aquilæ	+0,92	+0,72
3 Cygni		−0,72
61 σ Draconis	+1,28	−2,12
53 α Aquilæ	+0,51	
60 β ———		−0,54
15 ε Sagittæ	−0,50	
(29) τ Sagittarii	+1,24	+0,76
1 κ Cephei	−0,80	
3 η ———		+0,81
61 Cygni	+5,38	+3,30
3 Piscis Aust...	−1,09	
65 τ Cygni		+0,50
(36) Lacertæ	+0,75	−0,80
6 γ Piscium	+0,78	
17 ι ———		−0,55
(249) ———	+0,70	
85 Pegasi	+0,90	−1,15

Minute quantities omitted.

55. I have already stated that the formulæ (A), for determining the aberration, are founded on the supposition that the earth moves in a circle, and with an uniform motion. Let us now see what difference will arise from the assumption that the earth moves in an ellipse, and with a variable motion.

It has been shown by M. Delambre in his *Astronomie*, vol. 3, chap. xxx, by M. Biot in his *Traité d'Astronomie Physique*, vol. 3, page 161, and by M. Bessel in the *Zeitschrift für Astronomie*, Vol. 6, page 222, that the formulæ for determining the aberration of a star in right ascension and declination, will, in such case (instead of being exactly as they are stated in the above-mentioned formulæ in § 12) be more correctly expressed by the following formulæ :

$$\left.\begin{aligned}\Delta\alpha = &-\mathrm{A}\,(1+\tfrac{1}{2}e^2)\times(\sin\alpha\,.\,\sin\odot+\cos\omega\,.\cos\alpha\,.\cos\odot)\sec\delta\\ &-\mathrm{A}\,e\times(\sin\alpha\,.\,\sin\varpi+\cos\omega\,.\cos\alpha\,.\cos\varpi)\sec\delta\\ \Delta\delta = &-\mathrm{A}\,(1+\tfrac{1}{2}e^2).\left[(\cos\alpha\,.\,\sin\odot-\cos\omega\,.\sin\alpha\,.\cos\odot)-\sin\omega\,.\cos\odot\,.\cos\delta\right]\\ &-\mathrm{A}\,e.\left[(\cos\alpha\,.\,\sin\varpi-\cos\omega\,.\sin\alpha\,.\cos\varpi)-\sin\omega\,.\cos\varpi\,.\cos\delta\right]\end{aligned}\right\}(\mathrm{E})$$

where e denotes the ellipticity of the earth's orbit, and ϖ the longitude of the sun's perigee. Now, since the former is ·0168, we shall have

$$\mathrm{A}\,(1+\tfrac{1}{2}e^2) = 20'',36\times 1{\cdot}00014 = 20'',36285$$
$$\mathrm{A}\,e = 20'',36\times\ {\cdot}0168\ = 0'',342$$

But, $\mathrm{A}\,(1+\frac{1}{2}e^2)$ differs so little from A, that the first terms in the equation (E) above given, may be (and are in general) considered the same as the formulæ (A) in § 12.

56. With respect to the second terms in this equation, it should be remembered that the place of the sun's perigee varies only 62″ from year to year; consequently, ϖ may, for all the purposes of the present inquiry, be considered as always equal to 280°. Whence, the value of this part of the equation (thus depending on the longitude of the sun's perigee) may be considered as a *constant* quantity, differing in amount only according to the position of such star in the heavens. On this account, and as it is necessarily included in all observations, it is very properly omitted in the process of reduction.

57. Since $\mathrm{A}\,e$ is equal to $\frac{\mathrm{A}}{60}$ nearly, and ϖ at the present time equal to about 280°, we may readily determine the above constant for each star, by

means of the ordinary tables of aberration. For, by assuming $\odot = 280°$, and taking $\frac{1}{60}$th part of the resulting value, we shall have the required constant sufficiently near. Or, we may obtain it more correctly, and more readily, by means of the logarithms of a and b, a' and b' in the General Catalogue at the end of this memoir. For, by assuming A and B, in the formula (D) in § 25, equal to the following values, viz.

$$A = -\cdot0168 \times 18'',677 \cos 280° \qquad \log. = -8\cdot7363$$
$$B = -\cdot0168 \times 20'',360 \sin 280° \qquad \log. = +9\cdot5274$$

we shall have the required constant

$$\text{in } Æ = A\,a + B\,b$$
$$\text{in Dec} = A\,a' + B\,b'$$

As this is a subject, however, more of curiosity than of any real utility, I shall not pursue the inquiry any further.

58. In deducing these formulæ for the aberration, it should be observed that regard has been had to the *first* powers only of A: but, if we extend the investigation so as to take in the *second* powers, we shall have the following *additional* quantities:

$$\Delta\alpha = -\frac{A^2}{4} \times [\sin 2\alpha \cdot \cos 2\odot (1 + \cos^2\omega) - 2\cos\omega \cdot \cos 2\alpha \cdot \sin 2\odot] \sec^2\delta$$
$$\Delta\delta = -\frac{A^2}{8} \times [\cos 2\alpha \cdot \cos 2\odot (1 + \cos^2\omega) + 2\cos\omega \cdot \sin 2\alpha \cdot \sin 2\odot - \sin^2\omega \cdot \cos 2\odot] \tan\delta$$

59. In like manner, in determining the nutation in § 22, regard has been had to the *first* powers only of ΔL and $\Delta\omega$: but, if the investigations be extended, so as to include the *second* powers also, we shall have the following *additional* quantities *:

$$\begin{aligned}\Delta\alpha = &+ (\tfrac{1}{2}\sin 2\alpha + \cot\omega \cdot \cos\alpha \cdot \tan\delta + \sin 2\alpha \cdot \tan^2\delta)\,\tfrac{1}{2}(\Delta L)^2 \sin^2\omega \\ &- (\cos 2\alpha - \cot\omega \cdot \sin\alpha \cdot \tan\delta + \cos 2\alpha \cdot \tan^2\delta)\,\Delta\omega\,\Delta L \cdot \sin\omega \\ &- (\tfrac{1}{2}\sin 2\alpha + \sin 2\alpha \cdot \tan^2\delta)\,\tfrac{1}{2}(\Delta\omega)^2\end{aligned}$$

$$\begin{aligned}\Delta\delta = &- \sin\alpha\,(\cot\omega + \sin\alpha \cdot \tan\delta)\,\tfrac{1}{2}(\Delta L)^2 \sin^2\omega \\ &+ \cos\alpha\,(\cot\omega + \sin\alpha \cdot \tan\delta)\,\Delta\omega \cdot \Delta L \cdot \sin\omega \\ &- \cos^2\alpha \cdot \tan\delta \cdot \tfrac{1}{2}(\Delta\omega)^2\end{aligned}$$

* See the excellent paper of M. Bessel on this subject, in the *Zeitschrift für Astronomie*, vol. 6, page 216; from which these formulæ are taken.

If we restrict $\Delta\omega$ and ΔL to the first (or principal) term in the equations in § 21, and consequently assume

$$\Delta\omega = +9'',250\cos\mathfrak{Q} = +x.\cos\mathfrak{Q}$$
$$\Delta\text{L}.\sin\omega = -6\,,887\sin\mathfrak{Q} = -y.\sin\mathfrak{Q}$$

we shall have, according to M. Bessel's reductions,

$$\Delta\alpha = -\left(\frac{x^2+y^2}{4}\sin 2\alpha.\tan\delta + \frac{y^2}{4}\cot\omega.\cos\alpha\right)\tan\delta.\cos 2\mathfrak{Q}$$
$$+\left(\frac{xy}{2}\cos 2\alpha.\tan\delta - \frac{xy}{2}\cot\omega.\sin\alpha\right)\tan\delta.\sin 2\mathfrak{Q}$$

$$\Delta\delta = -\tfrac{1}{4}\left[(x^2\cos^2\alpha - y^2\sin^2\alpha)\tan\delta - y^2\cot\omega.\sin\alpha\right]\cos 2\mathfrak{Q}$$
$$-\tfrac{1}{4}(xy\sin 2\alpha.\tan\delta + 2xy.\cot\omega.\cos\alpha)\sin 2\mathfrak{Q}$$

60. But, however formidable these quantities may appear, their value (except in stars very near the pole) is quite insensible: and Mr. Herschel has shown, in the preceding part of the Memoirs of this Society (vol. 1, page 429) that the error, arising from the omission of the whole of them, can never amount to the thousandth part of a second of time, in the right ascension of any star whose declination is less than 75°; nor to the hundredth part of a second of space in the declination of any star whose declination is less than 86° 27′. In the General Catalogue at the end of this paper there are only twelve stars in the northern hemisphere, and about the same number in the southern hemisphere, whose declinations exceed 75°; and only *Polaris* that exceeds 86° 27′: for, δ *Ursæ Minoris* is too near the limit above mentioned, to be considered as affected by the rejected quantities. It is therefore the pole-star only that can be at all affected by any of those quantities: and, as M. Bessel has computed special tables for determining the apparent place of that star, we may consider the equations (A), (B), (C) as sufficiently accurate for all the other stars in the General Catalogue given in this paper.

61. This remark will extend even to the omission of those quantities depending on $2\,\mathfrak{D}$, already alluded to in § 22. For, even in *Polaris*, the total value of the quantity, depending on this argument, never exceeds $0^s,20$ in right acension, nor $0'',08$ in declination.

62. Besides the quantities here omitted, I ought to mention that M. Bessel has, in the formula which he has given for the reduction of *Polaris*, introduced an equation depending on the argument $(\odot + \mathfrak{Q})$; which, even in the case of this star, amounts only to $0^s,06$ in right ascension; and is quite insensible in declination. In all the other stars, in the present catalogue, this quantity may be wholly rejected.

Diurnal Aberration.

63. The diurnal motion of the earth on its axis produces an aberration, which it may be proper here to notice, if it be only for the purpose of showing that it is insensible, and may therefore be safely omitted in any reductions. The amount of this aberration is determined from the annual aberration, by comparing the equatorial velocity of the earth on its axis, with the velocity of the earth in its orbit.

If we assume the sun's parallax to be $8''{,}6$ at its mean distance, we shall find that the earth's orbital velocity will be to its rotatory velocity, as unity to $\frac{365{\cdot}25}{24024}$, or as 1 to ·0152. And if we represent the annual aberration by $20''{,}36$, the diurnal aberration will consequently be $0''{,}3095$. But, this quantity depends not only on the geographical latitude (λ) of the place, and on the declination (δ) of the star, but also on the hour angle (γ) of the star from the meridian : and the general expression for its value will be

$$\Delta\,\alpha = 0''{,}309 \cos\lambda \,.\, \sec\delta \,.\, \cos\gamma$$
$$\Delta\,\delta = 0''{,}309 \cos\lambda \,.\, \sin\delta \,.\, \sin\gamma$$

Whence it appears that, when a star is on the meridian, its diurnal aberration in right ascension is at its maximum : and that, at that moment, the diurnal aberration in declination vanishes. On the contrary, when the star is situated six hours from the meridian (or when $\gamma = 90°$) the diurnal aberration in right ascension vanishes, and in declination arrives at its maximum.

If we take the case of the pole-star at Greenwich in 1830, we shall find that its diurnal aberration in right ascension, when on the meridian, is equal to $6''{,}915$: and that its diurnal aberration in declination, when distant 90° from the meridian, is $0''{,}193$. On the equator these values would be $11''{,}103$ and $0''{,}309$.

64. As these quantities are constant for each particular star, at each observatory (according to the declination of the star and the latitude of the place) these formulæ are of use only in comparing the observations made at one observatory with those made at another observatory. And as those observations are usually made on the meridian, we shall have the following convenient formula for such comparisons : viz.

$$\Delta\,\alpha = 0''{,}309 \sec\delta\,(\cos\lambda - \cos\lambda')$$

where λ' denotes the geographical latitude of the place nearest to the equator. But, these are refinements which are not generally adopted in practice: and may be safely omitted in our present view of the subject.

Variation in the constants.

65. In the investigation of the equations which compose the formulæ (D) in § 25, I have considered the values of a, b, c, d, and a', b', c', d', as constant, for a number of years together. This however cannot be strictly true, since the values of α and δ, and the other quantities which form those equations, are gradually changing, from the effects of precession and other causes. These variations however, from year to year, are so very slight, that a long period must elapse before any considerable difference will arise in the arithmetical value of those quantities: and the tables may consequently be used, for many years to come, without the risk of any material error.

66. In fact, since the quantities a, b, c, d, and a', b', c', d', depend on arcs which are expressed by the sine and cosine of the right ascension of the star, it consequently happens that the variations in their logarithms, caused by a variation in the right ascension, are the greatest when the arithmetical value of the corresponding number is the least: and *vice versa*. So that a variation, which, under other circumstances, might cause a sensible difference, is, in this case, of little or no importance. The only material variation will be in the values of a, b, c, d, and in the case only of stars having considerable declination: since those values depend also on the tangent or secant of the declination. But, these cases are of rare occurrence, as far as the present catalogue is concerned; since the principal part of the stars, therein contained, are situated within 30° of the equator, and not more than 180 of them in the northern hemisphere, and about as many in the southern hemisphere, exceed 45° in declination. If greater accuracy is required for such stars, at any distant period, an express computation must be made for that purpose. At the end of the General Catalogue, the values are given, for every ten years, for *Polaris* and δ *Ursæ Minoris*.

It may be proper to state that all the calculations in the General Catalogue will be made in duplicate, and have been undertaken by two persons, separately and independently of each other: viz. one series by Lieutenant Stratford of the Royal Navy, Honorary Secretary to this Society; and the other

series by Mr. RICHARDSON, Assistant at the Royal Observatory at Greenwich. Mr. RICHARDSON will most probably continue his series to the end: but the Society must regret that they have been deprived of the full advantage of Mr. STRATFORD's services, not only from ill health, but also on account of his other avocations. The latter part therefore of *his* series will be computed by another hand; still however under the voluntary and able superintendence of Mr. STRATFORD. The results of the two calculations are from time to time compared before they are written out for the press; and, where any differences have occurred, they have been immediately adjusted by a revision of the computations. This plan will continue to be adopted till the work is finished. The manuscript copies, which will consist of several quarto volumes, will ultimately be deposited in the library of this Society, in order that they may be referred to at any future period. It is intended that the copy furnished by one of the computers shall serve as the copy for the printer; and that the copy furnished by the other computer shall be made use of for the correction of the press: so that every possible means will be taken to prevent the introduction of any errors.

The values in the other Tables have been calculated by one computer only; and the results compared by means of differences.

FRANCIS BAILY.

Gray's Inn,
May 1825.

TABLE I.

Containing the Logarithms of A and B, for every day in the year.

(Adapted to *mean solar* time.)

JANUARY.				FEBRUARY.				MARCH.			
Bis.	Com.	log. A	log. B	Bis.	Com.	log. A	log. B	Bis.	Com.	log. A	log. B
1	1	−0·5532	+1·3007	1	1	−1·1017	+1·1758	0	1	−1·2465	+0·8253
2	2	0·5911	1·2991	2	2	1·1099	1·1687	1	2	1·2491	0·8028
3	3	0·6258	1·2974	3	3	1·1178	1·1612	2	3	1·2515	0·7790
4	4	0·6578	1·2955	4	4	1·1255	1·1535	3	4	1·2538	0·7536
5	5	0·6874	1·2935	5	5	1·1328	1·1455	4	5	1·2559	0·7266
6	6	0·7151	1·2913	6	6	1·1400	1·1372	5	6	1·2579	0·6977
7	7	0·7409	1·2890	7	7	1·1468	1·1287	6	7	1·2597	0·6665
8	8	0·7652	1·2866	8	8	1·1535	1·1198	7	8	1·2614	0·6328
9	9	0·7881	1·2840	9	9	1·1599	1·1106	8	9	1·2630	0·5961
10	10	0·8097	1·2812	10	10	1·1660	1·1011	9	10	1·2644	0·5560
11	11	0·8301	1·2783	11	11	1·1719	1·0912	10	11	1·2657	0·5117
12	12	0·8494	1·2752	12	12	1·1777	1·0810	11	12	1·2669	0·4621
13	13	0·8679	1·2719	13	13	1·1832	1·0703	12	13	1·2679	0·4062
14	14	0·8854	1·2685	14	14	1·1885	1·0593	13	14	1·2688	0·3416
15	15	0·9021	1·2650	15	15	1·1936	1·0479	14	15	1·2695	0·2658
16	16	0·9181	1·2612	16	16	1·1985	1·0360	15	16	1·2701	0·1738
17	17	0·9333	1·2573	17	17	1·2033	1·0236	16	17	1·2706	0·0567
18	18	0·9479	1·2533	18	18	1·2078	1·0108	17	18	1·2710	9·8960
19	19	0·9619	1·2490	19	19	1·2122	0·9974	18	19	1·2712	9·6379
20	20	0·9753	1·2446	20	20	1·2164	0·9835	19	20	1·2713	+8·9129
21	21	0·9882	1·2400	21	21	1·2204	0·9689	20	21	1·2713	−9·4321
22	22	1·0006	1·2352	22	22	1·2242	0·9538	21	22	1·2711	9·7943
23	23	1·0125	1·2302	23	23	1·2279	0·9380	22	23	1·2708	9·9885
24	24	1·0240	1·2250	24	24	1·2314	0·9214	23	24	1·2704	0·1224
25	25	1·0350	1·2196	25	25	1·2347	0·9040	24	25	1·2698	0·2243
26	26	1·0456	1·2140	26	26	1·2379	0·8858	25	26	1·2691	0·3067
27	27	1·0558	1·2082	27	27	1·2409	0·8667	26	27	1·2683	0·3757
28	28	1·0657	1·2022	28	28	1·2438	0·8466	27	28	1·2674	0·4351
29	29	1·0751	1·1960	29		−1·2465	+0·8253	28	29	1·2663	0·4873
30	30	1·0843	1·1895					29	30	1·2651	0·5336
31	31	1·0931	1·1828					30	31	1·2638	0·5754
Feb.	1	−1·1017	+1·1758					31		−1·2623	−0·6134

Containing the Logarithms of A and B, for every day in the year.

(Adapted to *mean solar* time.)

APRIL.				MAY.				JUNE.			
Bis.	Com.	log. A	log. B	Bis.	Com.	log. A	log. B	Bis.	Com.	log. A	log. B
0	1	−1·2623	−0·6134	0	1	−1·1495	−1·1252	0	1	−0·7887	−1·2839
1	2	1·2607	0·6481	1	2	1·1430	1·1335	1	2	0·7673	1·2863
2	3	1·2589	0·6802	2	3	1·1363	1·1416	2	3	0·7447	1·2887
3	4	1·2571	0·7099	3	4	1·1294	1·1493	3	4	0·7207	1·2909
4	5	1·2551	0·7376	4	5	1·1222	1·1568	4	5	0·6952	1·2929
5	6	1·2529	0·7634	5	6	1·1148	1·1641	5	6	0·6679	1·2948
6	7	1·2506	0·7877	6	7	1·1072	1·1711	6	7	0·6388	1·2966
7	8	1·2482	0·8106	7	8	1·0992	1·1779	7	8	0·6074	1·2983
8	9	1·2457	0·8322	8	9	1·0910	1·1844	8	9	0·5734	1·2999
9	10	1·2430	0·8526	9	10	1·0826	1·1907	9	10	0·5365	1·3013
10	11	1·2401	0·8720	10	11	1·0738	1·1969	10	11	0·4959	1·3026
11	12	1·2371	0·8904	11	12	1·0648	1·2028	11	12	0·4510	1·3037
12	13	1·2340	0·9080	12	13	1·0554	1·2085	12	13	0·4008	1·3048
13	14	1·2307	0·9247	13	14	1·0457	1·2140	13	14	0·3440	1·3057
14	15	1·2273	0·9407	14	15	1·0356	1·2193	14	15	0·2786	1·3065
15	16	1·2237	0·9560	15	16	1·0253	1·2244	15	16	0·2012	1·3072
16	17	1·2199	0·9706	16	17	1·0145	1·2293	16	17	0·1069	1·3078
17	18	1·2160	0·9846	17	18	1·0033	1·2341	17	18	9·9862	1·3082
18	19	1·2120	0·9981	18	19	0·9917	1·2387	18	19	9·8182	1·3085
19	20	1·2077	1·0110	19	20	0·9797	1·2431	19	20	9·5405	1·3087
20	21	1·2034	1·0234	20	21	0·9672	1·2473	20	21	−8·5600	1·3088
21	22	1·1988	1·0354	21	22	0·9542	1·2514	21	22	+9·4387	1·3087
22	23	1·1941	1·0469	22	23	0·9407	1·2553	22	23	9·7674	1·3086
23	24	1·1891	1·0580	23	24	0·9267	1·2591	23	24	9·9523	1·3083
24	25	1·1840	1·0686	24	25	0·9120	1·2627	24	25	0·0714	1·3079
25	26	1·1788	1·0789	25	26	0·8967	1·2662	25	26	0·1807	1·3073
26	27	1·1733	1·0888	26	27	0·8808	1·2695	26	27	0·2614	1·3067
27	28	1·1677	1·0984	27	28	0·8640	1·2726	27	28	0·3294	1·3059
28	29	1·1618	1·1076	28	29	0·8465	1·2757	28	29	0·3880	1·3050
29	30	1·1558	1·1166	29	30	0·8283	1·2785	29	30	0·4395	1·3040
30		−1·1495	−1·1252	30	31	0·8090	1·2813	30		+0·4854	−1·3029
				31		−0·7887	−1·2839				

TABLE I. (continued.)

Containing the Logarithms of A and B, for every day in the year.

(Adapted to *mean solar* time.)

JULY.				AUGUST.				SEPTEMBER.			
Bis.	Com.	log. A	log. B	Bis.	Com.	log A	log. B	Bis.	Com	log. A	log. B
0	1	+0·4854	−1·3029	0	1	+1·0703	−1·1992	0	1	+1·2410	−0·8659
1	2	0·5268	1·3016	1	2	1·0791	1·1932	1	2	1·2438	0·8465
2	3	0·5646	1·3002	2	3	1·0876	1·1870	2	3	1·2464	0·8259
3	4	0·5992	1·2987	3	4	1·0959	1·1806	3	4	1·2489	0·8042
4	5	0·6311	1·2971	4	5	1·1038	1·1740	4	5	1·2513	0·7812
5	6	0·6607	1·2953	5	6	1·1115	1·1671	5	6	1·2535	0·7568
6	7	0·6883	1·2934	6	7	1·1190	1·1600	6	7	1·2556	0·7308
7	8	0·7142	1·2914	7	8	1·1262	1·1527	7	8	1·2575	0·7030
8	9	0·7385	1·2893	8	9	1·1332	1·1451	8	9	1·2594	0·6731
9	10	0·7614	1·2870	9	10	1·1399	1·1373	9	10	1·2610	0·6408
10	11	0·7830	1·2846	10	11	1·1464	1·1292	10	11	1·2626	0·6058
11	12	0·8035	1·2820	11	12	1·1528	1·1208	11	12	1·2640	0·5676
12	13	0·8229	1·2793	12	13	1·1589	1·1121	12	13	1·2653	0·5255
13	14	0·8414	1·2765	13	14	1·1648	1·1031	13	14	1·2665	0·4788
14	15	0·8591	1·2735	14	15	1·1705	1·0937	14	15	1·2675	0·4262
15	16	0·8759	1·2704	15	16	1·1760	1·0841	15	16	1·2685	0·3661
16	17	0·8920	1·2672	16	17	1·1813	1·0741	16	17	1·2692	0·2964
17	18	0·9074	1·2638	17	18	1·1864	1·0637	17	18	1·2699	0·2129
18	19	0·9222	1·2602	18	19	1·1914	1·0530	18	19	1·2704	0·1092
19	20	0·9364	1·2565	19	20	1·1962	1·0418	19	20	1·2708	9·9726
20	21	0·9500	1·2527	20	21	1·2008	1·0302	20	21	1·2711	9·7717
21	22	0·9630	1·2487	21	22	1·2052	1·0182	21	22	1·2713	−9·3858
22	23	0·9756	1·2445	22	23	1·2095	1·0057	22	23	1·2712	+9·0221
23	24	0·9877	1·2402	23	24	1·2136	0·9927	23	24	1·2712	9·6567
24	25	0·9994	1·2357	24	25	1·2176	0·9792	24	25	1·2710	9·9043
25	26	1·0106	1·2310	25	26	1·2214	0·9651	25	26	1·2706	0·0608
26	27	1·0214	1·2262	26	27	1·2250	0·9504	26	27	1·2701	0·1758
27	28	1·0319	1·2211	27	28	1·2285	0·9350	27	28	1·2695	0·2665
28	29	1·0420	1·2159	28	29	1·2319	0·9189	28	29	1·2688	0·3414
29	30	1·0518	1·2106	29	30	1·2351	0·9021	29	30	1·2679	0·4052
30	31	1·0612	1·2050	30	31	1·2381	0·8845	30		+1·2669	+0·4608
31		+1·0703	−1·1992	31		+1·2410	−0·8659				

TABLE I. (continued.)

Containing the Logarithms of A and B, for every day in the year.

(Adapted to *mean solar* time.)

OCTOBER.				NOVEMBER.				DECEMBER.			
Bis.	Com.	log. A	log. B	Bis.	Com.	log. A	log. B	Bis.	Com.	log. A	log. B
0	1	+1·2669	+0·4608	0	1	+1·1620	+1·1073	0	1	+0·8211	+1·2796
1	2	1·2658	0·5098	1	2	1·1558	1·1165	1	2	0·8002	1·2824
2	3	1·2645	0·5540	2	3	1·1493	1·1255	2	3	0·7782	1·2851
3	4	1·2631	0·5939	3	4	1·1426	1·1341	3	4	0·7548	1·2877
4	5	1·2615	0·6303	4	5	1·1356	1·1424	4	5	0·7299	1·2900
5	6	1·2599	0·6638	5	6	1·1284	1·1504	5	6	0·7034	1·2923
6	7	1·2581	0·6948	6	7	1·1209	1·1582	6	7	0·6750	1·2944
7	8	1·2561	0·7237	7	8	1·1131	1·1656	7	8	0·6445	1·2963
8	9	1·2540	0·7506	8	9	1·1051	1·1729	8	9	0·6115	1·2981
9	10	1·2518	0·7758	9	10	1·0968	1·1799	9	10	0·5756	1·2998
10	11	1·2494	0·7996	10	11	1·0882	1·1866	10	11	0·5363	1·3013
11	12	1·2469	0·8220	11	12	1·0792	1·1931	11	12	0·4929	1·3027
12	13	1·2442	0·8432	12	13	1·0699	1·1994	12	13	0·4447	1·3039
13	14	1·2414	0·8633	13	14	1·0603	1·2055	13	14	0·3902	1·3050
14	15	1·2385	0·8824	14	15	1·0503	1·2114	14	15	0·3276	1·3059
15	16	1·2353	0·9006	15	16	1·0400	1·2170	15	16	0·2544	1·3068
16	17	1·2321	0·9179	16	17	1·0293	1·2224	16	17	0·1659	1·3074
17	18	1·2286	0·9345	17	18	1·0181	1·2277	17	18	0·0547	1·3080
18	19	1·2250	0·9503	18	19	1·0065	1·2328	18	19	9·9046	1·3084
19	20	1·2213	0·9655	19	20	0·9944	1·2376	19	20	9·6729	1·3086
20	21	1·2174	0·9800	20	21	0·9819	1·2423	20	21	+9·1424	1·3088
21	22	1·2133	0·9939	21	22	0·9688	1·2468	21	22	−9·2863	1·3088
22	23	1·2090	1·0073	22	23	0·9552	1·2511	22	23	9·7205	1·3086
23	24	1·2045	1·0202	23	24	0·9410	1·2553	23	24	9·9332	1·3083
24	25	1·1999	1·0325	24	25	0·9261	1·2592	24	25	0·0752	1·3079
25	26	1·1951	1·0444	25	26	0·9106	1·2630	25	26	0·1820	1·3073
26	27	1·1901	1·0559	26	27	0·8944	1·2667	26	27	0·2675	1·3066
27	28	1·1849	1·0669	27	28	0·8774	1·2701	27	28	0·3388	1·3058
28	29	1·1795	1·0776	28	29	0·8595	1·2735	28	29	0·3999	1·3048
29	30	1·1739	1·0878	29	30	0·8408	1·2766	29	30	0·4534	1·3037
30	31	1·1681	1·0977	30		+0·8211	+1·2796	30	31	0·5008	1·3024
31		+1·1620	+1·1073					31		−0·5435	+1·3010

TABLE II.

Containing the Logarithms of C and D, for every tenth day, from 1826---1830.

(Adapted to *mean solar* time.)

1826.			1827.		1828.		
Day.	log. C	log. D	log. C	log. D	Day.	log. C	log. D
Jan. 1	+9·5256	+0·5511	+9·4475	+0·7999	Jan. 1	+9·2858	+0·9247
11	9·5672	0·5483	9·4954	0·7973	11	9·3526	0·9216
21	9·6029	0·5392	9·5361	0·7912	21	9·4067	0·9158
31	9·6330	0·5260	9·5698	0·7828	31	9·4506	0·9084
Feb. 10	9·6583	0·5114	9·5979	0·7737	Feb. 10	9·4861	0·9003
20	9·6794	0·4985	9·6212	0·7656	20	9·5151	0·8930
Mar. 2	9·6975	0·4905	9·6408	0·7602	Mar. 1	9·5391	0·8877
12	9·7133	0·4900	9·6578	0·7588	11	9·5597	0·8854
22	9·7279	0·4983	9·6736	0·7622	21	9·5784	0·8866
April 1	9·7423	0·5149	9·6889	0·7702	31	9·5967	0·8914
11	9·7570	0·5384	9·7048	0·7823	April 10	9·6155	0·8994
21	9·7725	0·5657	9·7215	0·7969	20	9·6354	0·9093
May 1	9·7894	0·5945	9·7397	0·8129	30	9·6568	0·9204
11	9·8075	0·6223	9·7592	0·8289	May 10	9·6798	0·9317
21	9·8265	0·6472	9·7799	0·8434	20	9·7039	0·9420
31	9·8463	0·6678	9·8013	0·8556	30	9·7288	0·9506
June 10	9·8663	0·6834	9·8228	0·8647	June 9	9·7536	0·9567
20	9·8866	0·6935	9·8439	0·8705	19	9·7778	0·9602
30	9·9049	0·6982	9·8642	0·8726	29	9·8008	0·9608
July 10	9·9225	0·6979	9·8830	0·8714	July 9	9·8221	0·9587
20	9·9387	0·6934	9·9002	0·8673	19	9·8414	0·9541
30	9·9533	0·6853	9·9157	0·8608	29	9·8588	0·9476
Aug. 9	9·9657	0·6756	9·9288	0·8532	Aug. 8	9·8734	0·9400
19	9·9768	0·6659	9·9404	0·8456	18	9·8862	0·9325
29	9·9864	0·6582	9·9505	0·8394	28	9·8973	0·9261
Sept. 8	9·9948	0·6542	9·9593	0·8356	Sept. 7	9·9070	0·9216
18	0·0026	0·6554	9·9672	0·8352	17	9·9154	0·9200
28	0·0099	0·6626	9·9748	0·8387	27	9·9239	0·9215
Oct. 8	0·0174	0·6753	9·9825	0·8461	Oct. 7	9·9323	0·9263
18	0·0253	0·6927	9·9907	0·8568	17	9·9412	0·9339
28	0·0339	0·7131	9·9997	0·8697	27	9·9510	0·9434
Nov. 7	0·0434	0·7340	0·0097	0·8832	Nov. 6	9·9619	0·9536
17	0·0539	0·7541	0·0207	0·8963	16	9·9740	0·9635
27	0·0652	0·7716	0·0325	0·9079	26	9·9870	0·9722
Dec. 7	0·0771	0·7854	0·0450	0·9169	Dec. 6	0·0006	0·9787
17	0·0892	0·7946	0·0577	0·9226	16	0·0145	0·9825
27	0·1011	0·7991	0·0703	0·9249	26	0·0282	0·9832
37	+0·1126	+0·7989	+0·0822	+0·9237	36	+0·0412	+0·9810

TABLE II. (continued.)

Containing the Logarithms of C and D, for every tenth day, from 1826—1830.

(Adapted to *mean solar* time.)

1829.			1830.		
Day.	log. C	log. D	Day.	log. C	log. D
Jan. 1	+8·9253	+0·9826	Jan. 1	−8·5280	+0·9892
11	9·0637	0·9786	11	−7·3181	0·9839
21	9·1623	0·9722	21	+8·4378	0·9763
31	9·2358	0·9643	31	8·7341	0·9671
Feb. 10	9·2918	0·9559	Feb. 10	8·8915	0·9573
20	9·3355	0·9481	20	8·9938	0·9481
Mar. 2	9·3705	0·9421	Mar. 2	9·0674	0·9406
12	9·3998	0·9387	12	9·1244	0·9356
22	9·4260	0·9384	22	9·1727	0·9338
April 1	9·4512	0·9413	April 1	9·2166	0·9352
11	9·4767	0·9470	11	9·2594	0·9396
21	9·5034	0·9545	21	9·3028	0·9457
May 1	9·5319	0·9632	May 1	9·3473	0·9532
11	9·5618	0·9721	11	9·3927	0·9608
21	9·5930	0·9803	21	9·4381	0·9678
31	9·6245	0·9869	31	9·4826	0·9732
June 10	9·6556	0·9913	June 10	9·5253	0·9764
20	9·6855	0·9933	20	9·5653	0·9770
30	9·7135	0·9926	30	9·6020	0·9749
July 10	9·7392	0·9893	July 10	9·6351	0·9702
20	9·7623	0·9839	20	9·6643	0·9630
30	9·7826	0·9767	30	9·6898	0·9538
Aug. 9	9·8001	0·9686	Aug. 9	9·7116	0·9434
19	9·8152	0·9605	19	9·7302	0·9330
29	9·8280	0·9528	29	9·7459	0·9236
Sept. 8	9·8393	0·9471	Sept. 8	9·7596	0·9160
18	9·8493	0·9439	18	9·7717	0·9112
28	9·8588	0·9437	28	9·7832	0·9097
Oct. 8	9·8684	0·9467	Oct. 8	9·7948	0·9115
18	9·8786	0·9524	18	9·8070	0·9163
28	9·8898	0·9609	28	9·8203	0·9232
Nov. 7	9·9023	0·9683	Nov. 7	9·8351	0·9309
17	9·9161	0·9766	17	9·8513	0·9384
27	9·9308	0·9836	27	9·8686	0·9448
Dec. 7	9·9463	0·9887	Dec. 7	9·8867	0·9489
17	9·9620	0·9910	17	9·9048	0·9501
27	9·9774	0·9904	27	9·9224	0·9481
37	+9·9919	+0·9868	37	+9·9390	+0·9427

TABLE III.

Showing the correction to be applied to the dates in Tables I. and II, for each year, from 1800—1860.

(Adapted to *mean solar* time.)

	Year.	x	Corresponding hour.			Year.	x	Corresponding hour.	
		d	h	m			d	h	m
C	1800	+0·110	+ 2	38		1831	+0·620	+14	53
	1801	0·352	8	27	B	1832	·862	20	42
	1802	0·594	13	16		1833	·104	2	31
	1803	0·837	20	5		1834	·347	8	20
B	1804	1·079	25	54		1835	·589	14	9
	1805	0·321	7	43	B	1836	·831	19	58
	1806	0·563	13	32		1837	·074	1	46
	1807	0·806	19	21		1838	·316	7	35
B	1808	1·048	25	10		1839	·558	13	24
	1809	0·290	6	59	B	1840	·800	19	12
	1810	0·533	12	48		1841	·043	1	2
	1811	0·775	18	36		1842	·284	6	49
B	1812	1·017	24	24		1843	·527	12	39
	1813	0·259	6	13	B	1844	·769	18	28
	1814	·502	12	2		1845	·011	0	16
	1815	·744	17	51		1846	·254	6	5
B	1816	·986	23	40		1847	·496	11	54
	1817	·228	5	29	B	1848	+ ·738	+17	43
	1818	·471	11	18		1849	— ·019	— 0	28
	1819	·713	17	7		1850	+ ·223	+ 5	21
B	1820	·955	22	56		1851	+ ·465	+11	10
	1821	·197	4	45	B	1852	+ ·707	+16	58
	1822	·440	10	34		1853	— ·050	— 1	12
	1823	·682	16	22		1854	+ ·192	+ 4	36
B	1824	·924	22	11		1855	+ ·434	+10	25
	1825	·166	3	59	B	1856	+ ·676	+16	13
	1826	·409	9	48		1857	— ·081	— 1	57
	1827	·651	15	37		1858	+ ·161	+ 3	52
B	1828	·893	21	26		1859	+ ·403	+ 9	40
	1829	·135	3	15	B	1860	+0·646	+15	30
	1830	+0·378	+ 9	4					

Showing the correction for the date, on account of the difference of meridians: to be applied only when *Greenwich* mean solar time is used.

Observatories.	l
	d
Abo	+0·062
Altona	+ ·028
Berlin	+ ·037
Berne	+ ·021
Cadiz	— ·017
Calcutta	+ ·246
Cape of Good Hope	+ ·051
Coimbra	— ·023
Copenhagen	+ ·035
Dantzic	+ ·052
Dorpat	+ ·074
Dublin	— ·018
Geneva	+ ·017
Genoa	+ ·025
Göttingen	+ ·028
Königsberg	+ ·057
Lisbon	— ·025
Madras	+ ·223
Madrid	— ·010
Manheim	+ ·024
Mexico	— ·276
Milan	+ ·026
Palermo	+ ·037
Paramatta	+ ·419
Paris	+ ·006
Petersburg	+ ·084
Philadelphia	— ·209
Prague	+ ·040
Stockholm	+ ·050
Turin	+ ·021
Vienna	+ ·045
Wilna	+0·070

TABLE V.

For computing the values of C′ and D′ in any year.

(Adapted to *mean solar* time.)

Argument.	C′= t − ·0249 sin 2 ⊙	D′= −·5447 cos 2 ⊙
Jan. 1	+0·00935	+0″·50479
11	·04418	·40190
21	·07691	·24887
31	·10686	+ ·06514
Feb. 10	·13374	− ·12611
20	·15764	·30115
Mar. 2*	·17903	·43870
12	·19867	·52262
22	·21751	·54368
April 1	·23657	·50041
11	·25683	·39895
21	·27909	·25196
May 1	·30389	− ·07696
11	·33150	+ ·10593
21	·36184	·27619
31	·39456	·41512
June 10	·42904	·50777
20	·46451	·54432
30	·50007	·52107
July 10	·53483	·44064
20	·56799	·31174
30	·59947	+ ·14831
Aug. 9	·62718	− ·03197
19	·65269	·20926
29	·67561	·36378
Sept. 8	·69642	·47778
18	·71582	·53769
28	·73472	·53573
Oct. 8	·75410	·47109
18	·77491	·35035
28	·79797	·18704
Nov. 7	·82383	− ·00028
17	·85273	+ ·18736
27	·88451	·35267
Dec. 7	·91866	·47478
17	·95435	·53799
27	0·99054	·53399
37	+1·02611	+0·46310

* In *leap years*, we must deduct unity from all these tabular dates after February, in order to obtain the corresponding civil date.

TABLE VI.

Showing the mean longitude of the Moon's node on Jan. 1 in every year, from 1800—1860.

(Adapted to *mean solar* time.)

5°.2956 = 100 Days

Years.	☊	Years.	☊
1800	33°211	1831	153°616
1801	13·869	1832	134·274
1802	354·527	1833	114·932
1803	335·186	1834	95·590
1804	315·844	1835	76·248
1805	296·502	1836	56·907
1806	277·160	1837	37·565
1807	257·818	1838	18·223
1808	238·477	1839	358·881
1809	219·135	1840	339·539
1810	199·793	1841	320·198
1811	180·451	1842	300·856
1812	161·109	1843	281·514
1813	141·768	1844	262·172
1814	122·426	1845	242·831
1815	103·084	1846	223·489
1816	83·742	1847	204·147
1817	64·400	1848	184·805
1818	45·059	1849	165·463
1819	25·717	1850	146·122
1820	6·375	1851	126·780
1821	347·033	1852	107·438
1822	327·692	1853	88·096
1823	308·350	1854	68·754
1824	289·008	1855	49·413
1825	269·666	1856	30·071
1826	250·324	1857	10·729
1827	230·983	1858	351·387
1828	211·641	1859	332·045
1829	192·299	1860	312·704
1830	172·957		

TABLE VII.

For computing the values of C″ and D″ in any year.

(Adapted to *mean solar* time.)

Argument ☊	C″ = −·3436 sin ☊ +·0041 sin 2 ☊	D″ = −9″·2500 cos ☊ +·0900 cos 2 ☊	Argument ☊
0°	−0·00000+	−9″·16000−	360°
5	·02923	9·12617	355
10	·05825	9·02490	350
15	·08686	8·85687	345
20	·11486	8·62321	340
25	·14205	8·32549	335
30	·16822	7·96573	330
35	·19320	7·54637	325
40	·21680	7·07028	320
45	·23884	6·54074	315
50	·25915	5·96141	310
55	·27759	5·33636	305
60	·29400	4·67000	300
65	·30825	3·96707	295
70	·32024	3·23263	290
75	·32984	2·47202	285
80	·33698	1·69081	280
85	·34159	0·89482	275
90	·34362	−0·09000−	270
95	·34303	+0·71756+	265
100	·33982	1·52167	260
105	·33398	2·31613	255
110	·32556	3·09474	250
115	·31460	3·85137	245
120	·30117	4·58000	240
125	·28537	5·27480	235
130	·26730	5·93016	230
135	·24712	6·54074	225
140	·22495	7·10154	220
145	·20098	7·60794	215
150	·17539	8·05573	210
155	·14839	8·44120	205
160	·12019	8·76110	200
165	·09100	9·01276	195
170	·06108	9·19404	190
175	·03067	9·30343	185
180	−0·00000+	+9·34000+	180

TABLE VIII.

Showing the Logarithms of the Natural numbers from 100 to 1000.

No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.
101	·0043	136	·1335	171	·2330	206	·3139	241	·3820	276	·4409	311	·4928	346	·5391	381	·5809
102	·0086	137	·1367	172	·2355	207	·3160	242	·3838	277	·4425	312	·4942	347	·5403	382	·5821
103	·0128	138	·1399	173	·2381	208	·3181	243	·3856	278	·4440	313	·4955	348	·5416	383	·5832
104	·0170	139	·1430	174	·2406	209	·3202	244	·3874	279	·4456	314	·4969	349	·5428	384	·5843
105	·0212	140	·1461	175	·2430	210	·3222	245	·3892	280	·4472	315	·4983	350	·5441	385	·5855
106	·0253	141	·1492	176	·2455	211	·3243	246	·3909	281	·4487	316	·4997	351	·5453	386	·5866
107	·0294	142	·1523	177	·2480	212	·3263	247	·3927	282	·4503	317	·5011	352	·5465	387	·5877
108	·0334	143	·1553	178	·2504	213	·3284	248	·3945	283	·4518	318	·5024	353	·5478	388	·5888
109	·0374	144	·1584	179	·2529	214	·3304	249	·3962	284	·4533	319	·5038	354	·5490	389	·5900
110	·0414	145	·1614	180	·2553	215	·3324	250	·3979	285	·4548	320	·5052	355	·5502	390	·5911
111	·0453	146	·1644	181	·2577	216	·3345	251	·3997	286	·4564	321	·5065	356	·5515	391	·5922
112	·0492	147	·1673	182	·2601	217	·3365	252	·4014	287	·4579	322	·5079	357	·5527	392	·5933
113	·0531	148	·1703	183	·2625	218	·3385	253	·4031	288	·4594	323	·5092	358	·5539	393	·5944
114	·0569	149	·1732	184	·2648	219	·3404	254	·4048	289	·4609	324	·5106	359	·5551	394	·5955
115	·0607	150	·1761	185	·2672	220	·3424	255	·4065	290	·4624	325	·5119	360	·5563	395	·5966
116	·0645	151	·1790	186	·2695	221	·3444	256	·4082	291	·4639	326	·5132	361	·5575	396	·5977
117	·0682	152	·1818	187	·2718	222	·3464	257	·4099	292	·4654	327	·5146	362	·5587	397	·5988
118	·0719	153	·1847	188	·2742	223	·3483	258	·4116	293	·4669	328	·5159	363	·5599	398	·5999
119	·0756	154	·1875	189	·2765	224	·3503	259	·4133	294	·4684	329	·5172	364	·5611	399	·6010
120	·0792	155	·1903	190	·2788	225	·3522	260	·4150	295	·4698	330	·5185	365	·5623	400	·6021
121	·0828	156	·1931	191	·2810	226	·3541	261	·4166	296	·4713	331	·5198	366	·5635	401	·6031
122	·0864	157	·1959	192	·2833	227	·3560	262	·4183	297	·4728	332	·5211	367	·5647	402	·6042
123	·0899	158	·1987	193	·2856	228	·3579	263	·4200	298	·4742	333	·5224	368	·5659	403	·6053
124	·0934	159	·2014	194	·2878	229	·3598	264	·4216	299	·4757	334	·5237	369	·5670	404	·6064
125	·0969	160	·2041	195	·2900	230	·3617	265	·4233	300	·4771	335	·5250	370	·5682	405	·6075
126	·1004	161	·2068	196	·2923	231	·3636	266	·4249	301	·4786	336	·5263	371	·5694	406	·6085
127	·1038	162	·2095	197	·2945	232	·3655	267	·4265	302	·4800	337	·5276	372	·5705	407	·6096
128	·1072	163	·2122	198	·2967	233	·3674	268	·4281	303	·4814	338	·5289	373	·5717	408	·6107
129	·1106	164	·2148	199	·2989	234	·3692	269	·4298	304	·4829	339	·5302	374	·5729	409	·6117
130	·1139	165	·2175	200	·3010	235	·3711	270	·4314	305	·4843	340	·5315	375	·5740	410	·6128
131	·1173	166	·2201	201	·3032	236	·3729	271	·4330	306	·4857	341	·5328	376	·5752	411	·6138
132	·1206	167	·2227	202	·3054	237	·3748	272	·4346	307	·4871	342	·5340	377	·5763	412	·6149
133	·1239	168	·2253	203	·3075	238	·3766	273	·4362	308	·4886	343	·5353	378	·5775	413	·6160
134	·1271	169	·2279	204	·3096	239	·3784	274	·4378	309	·4900	344	·5366	379	·5786	414	·6170
135	·1303	170	·2305	205	·3118	240	·3802	275	·4393	310	·4914	345	·5378	380	·5798	415	·6181

Showing the logarithms of the Natural numbers from 100 to 1000.

No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	Nc.	Log.	No.	Log.	No.	Log.
416	·6191	451	·6542	486	·6866	521	·7168	556	·7451	591	·7716	626	·7966	661	·8202	696	·8426
417	·6201	452	·6551	487	·6875	522	·7177	557	·7459	592	·7723	627	·7973	662	·8209	697	·8432
418	·6212	453	·6561	488	·6884	523	·7185	558	·7466	593	·7731	628	·7980	663	·8215	698	·8439
419	·6222	454	·6571	489	·6893	524	·7193	559	·7474	594	·7738	629	·7987	664	·8222	699	·8445
420	·6233	455	·6580	490	·6902	525	·7202	560	·7482	595	·7745	630	·7993	665	·8228	700	·8451
421	·6243	456	·6590	491	·6911	526	·7210	561	·7490	596	·7753	631	·8000	666	·8235	701	·8457
422	·6253	457	·6599	492	·6920	527	·7218	562	·7497	597	·7760	632	·8007	667	·8241	702	·8463
423	·6263	458	·6609	493	·6929	528	·7226	563	·7505	598	·7767	633	·8014	668	·8248	703	·8470
424	·6274	459	·6618	494	·6937	529	·7235	564	·7513	599	·7774	634	·8021	669	·8254	704	·8476
425	·6284	460	·6628	495	·6946	530	·7243	565	·7521	600	·7782	635	·8028	670	·8261	705	·8482
426	·6294	461	·6637	496	·6955	531	·7251	566	·7528	601	·7789	636	·8035	671	·8267	706	·8488
427	·6304	462	·6646	497	·6964	532	·7259	567	·7536	602	·7796	637	·8041	672	·8274	707	·8494
428	·6314	463	·6656	498	·6972	533	·7267	568	·7544	603	·7803	638	·8048	673	·8280	708	·8500
429	·6325	464	·6665	499	·6981	534	·7275	569	·7551	604	·7810	639	·8055	674	·8287	709	·8507
430	·6335	465	·6675	500	·6990	535	·7284	570	·7559	605	·7818	640	·8062	675	·8293	710	·8513
431	·6345	466	·6684	501	·6998	536	·7292	571	·7566	606	·7825	641	·8069	676	·8300	711	·8519
432	·6355	467	·6693	502	·7007	537	·7300	572	·7574	607	·7832	642	·8075	677	·8306	712	·8525
433	·6365	468	·6703	503	·7016	538	·7308	573	·7582	608	·7839	643	·8082	678	·8312	713	·8531
434	·6375	469	·6712	504	·7024	539	·7316	574	·7589	609	·7846	644	·8089	679	·8319	714	·8537
435	·6385	470	·6721	505	·7033	540	·7324	575	·7597	610	·7853	645	·8096	680	·8325	715	·8543
436	·6395	471	·6730	506	·7042	541	·7332	576	·7604	611	·7860	646	·8102	681	·8332	716	·8549
437	·6405	472	·6739	507	·7050	542	·7340	577	·7612	612	·7868	647	·8109	682	·8338	717	·8555
438	·6415	473	·6749	508	·7059	543	·7348	578	·7619	613	·7875	648	·8116	683	·8344	718	·8561
439	·6425	474	·6758	509	·7067	544	·7356	579	·7627	614	·7882	649	·8122	684	·8351	719	·8567
440	·6435	475	·6767	510	·7076	545	·7364	580	·7634	615	·7889	650	·8129	685	·8357	720	·8573
441	·6444	476	·6776	511	·7084	546	·7372	581	·7642	616	·7896	651	·8136	686	·8363	721	·8579
442	·6454	477	·6785	512	·7092	547	·7380	582	·7649	617	·7903	652	·8143	687	·8370	722	·8585
443	·6464	478	·6794	513	·7101	548	·7388	583	·7657	618	·7910	653	·8149	688	·8376	723	·8591
444	·6474	479	·6803	514	·7110	549	·7396	584	·7664	619	·7917	654	·8156	689	·8382	724	·8597
445	·6484	480	·6812	515	·7118	550	·7404	585	·7672	620	·7924	655	·8162	690	·8389	725	·8603
446	·6493	481	·6822	516	·7127	551	·7412	586	·7679	621	·7931	656	·8169	691	·8395	726	·8609
447	·6503	482	·6831	517	·7135	552	·7419	587	·7686	622	·7938	657	·8176	692	·8401	727	·8615
448	·6513	483	·6840	518	·7143	553	·7427	588	·7694	623	·7945	658	·8182	693	·8407	728	·8621
449	·6523	484	·6849	519	·7152	554	·7435	589	·7701	624	·7952	659	·8189	694	·8414	729	·8627
450	·6532	485	·6857	520	·7160	555	·7443	590	·7709	625	·7959	660	·8195	695	·8420	730	·8633

TABLE VIII. (continued.)

Showing the Logarithms of the Natural numbers from 100 to 1000.

No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.	No.	Log.
731	·8639	761	·8814	791	·8982	821	·9143	851	·9299	881	·9450	911	·9595	941	·9736	971	·9872
732	·8645	762	·8820	792	·8987	822	·9149	852	·9304	882	·9455	912	·9600	942	·9741	972	·9877
733	·8651	763	·8825	793	·8993	823	·9154	853	·9310	883	·9460	913	·9605	943	·9745	973	·9881
734	·8657	764	·8831	794	·8998	824	·9159	854	·9315	884	·9465	914	·9610	944	·9750	974	·9886
735	·8663	765	·8837	795	·9004	825	·9165	855	·9320	885	·9470	915	·9614	945	·9754	975	·9890
736	·8669	766	·8842	796	·9009	826	·9170	856	·9325	886	·9474	916	·9619	946	·9759	976	·9895
737	·8675	767	·8848	797	·9015	827	·9175	857	·9330	887	·9479	917	·9624	947	·9764	977	·9899
738	·8681	768	·8854	798	·9020	828	·9180	858	·9335	888	·9484	918	·9628	948	·9768	978	·9903
739	·8686	769	·8859	799	·9026	829	·9186	859	·9340	889	·9489	919	·9633	949	·9773	979	·9908
740	·8692	770	·8865	800	·9031	830	·9191	860	·9345	890	·9494	920	·9638	950	·9777	980	·9912
741	·8698	771	·8871	801	·9036	831	·9196	861	·9350	891	·9499	921	·9643	951	·9782	981	·9917
742	·8704	772	·8876	802	·9042	832	·9201	862	·9355	892	·9504	922	·9647	952	·9786	982	·9921
743	·8710	773	·8882	803	·9047	833	·9207	863	·9360	893	·9509	923	·9652	953	·9791	983	·9926
744	·8716	774	·8887	804	·9053	834	·9212	864	·9365	894	·9513	924	·9657	954	·9796	984	·9930
745	·8722	775	·8893	805	·9058	835	·9217	865	·9370	895	·9518	925	·9661	955	·9800	985	·9934
746	·8727	776	·8899	806	·9063	836	·9222	866	·9375	896	·9523	926	·9666	956	·9805	986	·9939
747	·8733	777	·8904	807	·9069	837	·9227	867	·9380	897	·9528	927	·9671	957	·9809	987	·9943
748	·8739	778	·8910	808	·9074	838	·9232	868	·9385	898	·9533	928	·9676	958	·9814	988	·9948
749	·8745	779	·8915	809	·9080	839	·9238	869	·9390	899	·9538	929	·9680	959	·9818	989	·9952
750	·8751	780	·8921	810	·9085	840	·9243	870	·9395	900	·9542	930	·9685	960	·9823	990	·9956
751	·8756	781	·8927	811	·9090	841	·9248	871	·9400	901	·9547	931	·9690	961	·9827	991	·9961
752	·8762	782	·8932	812	·9096	842	·9253	872	·9405	902	·9552	932	·9694	962	·9832	992	·9965
753	·8768	783	·8938	813	·9101	843	·9258	873	·9410	903	·9557	933	·9699	963	·9836	993	·9970
754	·8774	784	·8943	814	·9106	844	·9263	874	·9415	904	·9562	934	·9704	964	·9841	994	·9974
755	·8780	785	·8949	815	·9112	845	·9269	875	·9420	905	·9567	935	·9708	965	·9845	995	·9978
756	·8785	786	·8954	816	·9117	846	·9274	876	·9425	906	·9571	936	·9713	966	·9850	996	·9983
757	·8791	787	·8960	817	·9122	847	·9279	877	·9430	907	·9576	937	·9717	967	·9854	997	·9987
758	·8797	788	·8965	818	·9128	848	·9284	878	·9435	908	·9581	938	·9722	968	·9859	998	·9991
759	·8802	789	·8971	819	·9133	849	·9289	879	·9440	909	·9586	939	·9727	969	·9863	999	·9996
760	·8808	790	·8976	820	·9138	850	·9294	880	·9445	910	·9590	940	·9731	970	·9868	1000	·0000

GENERAL CATALOGUE

REDUCED TO JAN. 1, 1830.

$$\text{Correction in } Æ = a\,A + b\,B + c\,C + d\,D$$
$$\text{Correction in Dec.} = a'\,A + b'\,B + c'\,C + d'\,D$$

N.B. Where an asterisk is annexed to the Right Ascension or Declination of a star, it denotes that the Æ or D of such star has been reduced from the observations of *one* observer only. And where an asterisk is annexed to the Annual Precession, it denotes that the annual *proper motion* of the star is involved in the computation.

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1	Ceti	7	0 0 0,31*	+3,068	+8·8246	+4·2091	+0·4869	−7·5671
2	11 Cassiopeæ β	2·3	0 8,48	3,124*	9·1023	5·8916	0·4947	+9·0317
3	87 Pegasi *u*	6	0 16,32	3,069	8·8439	5·9187	0·4869	+8·3164
4	Ap. Sculp. $\varkappa^1$	6	0 39,94*	3,066	8·8818	6·3448	0·4866	−8·5665
5	Phœnicis ε	4	0 45,38*	3,063	8·9876	6·5063	0·4862	−8·8495
6	Piscium	7	1 12,49*	3,068	8·8247	6·5465	0·4868	−7·6113
7	34 Piscium E′	6	1 17,79	3,069	8·8308	6·5835	0·4871	+8·0790
8	22 Androm. B	5	1 30,83	3,077	8·9754	6·7951	0·4881	+8·8258
9	Ceti	6·7	1 36,41*	3,067	8·8264	6·6722	0·4867	−7·8594
10	Octantis γ^3	5	2 4,08*	2,967	9·7486	7·7039	0·4724	−9·7455
11	6 Ceti *f*	6	2 35,92	3,064	8·8419	6·8965	0·4862	−8·2928
12	Ap. Sculp. $\varkappa^2$	5·6	2 55,53*	3,059	8·8810	6·9870	0·4855	−8·5631
13	88 Pegasi γ	2·3	4 29,36	3,075	8·8374	7·1294	0·4878	+8·2282
14	89 Pegasi χ	6	5 48,79	3,080	8·8488	7·2531	0·4885	+8·3672
15	7 Ceti *h*	5·6	5 59,75	3,055	8·8504	7·2682	0·4851	−8·3819
16	35 Piscium B	6	6 13,45	3,073	8·8279	7·2619	0·4876	+7·9647
17	36 Piscium	6·7	7 49,70	3,074	8·8272	7·3608	0·4877	+7·9310
18	24 Androm. θ	5	8 13,27	3,105	8·9255	7·4805	0·4921	+8·7123
19	33 Piscium	6·7	9 3,75*	3,069	8·8236	7·4209	0·4870	+6·9365
20	8 Ceti ι	4	10 45,64	3,057	8·8298	7·5018	0·4853	−8·0593
21	Tucanæ ζ	5	11 6,98*	2,923	9·2125	7·8987	0·4658	−9·1729
22	40 Piscium	6	11 9,05	3,086	8·8391	7·5266	0·4894	+8·2607
23	41 Piscium *d*	5·6	11 51,67	3,077	8·8268	7·5411	0·4881	+7·9276
24	Ap. Sculp. ι	6	12 57,95*	3,025	8·8853	7·6384	0·4807	−8·5833
25	9 Ceti	6	14 9,12	3,049	8·8346	7·6258	0·4841	−8·1918
26	Ceti	6·7	15 48,54*	3,063	8·8235	7·6629	0·4861	−7·5649
27	Hydri β	3	16 32,76*	2,606	9·5125	8·3718	0·4160	−9·5032
28	44 Piscium *t*	6	16 41,05	3,070	8·8228	7·6857	0·4871	+7·0641
29	45 Piscium	6	16 55,85	3,080	8·8257	7·6950	0·4885	+7·8960
30	Phœnicis ϰ	5	17 48,36*	2,966	8·9703	7·8615	0·4721	−8·8169
31	Phœnicis α	2	17 51,27*	2,970	8·9601	7·8525	0·4728	−8·7957
32	10 Ceti	6	17 54,27	3,066	8·8226	7·7163	0·4866	−7·0605
33	47 Piscium	6	19 11,56	3,102	8·8417	7·7656	0·4917	+8·3064
34	48 Piscium	6	19 22,76	3,099	8·8385	7·7666	0·4913	+8·2655
35	28 Andromedæ	6	21 9,68	+3,136	+8·8795	+7·8460	+0·4963	+8·5625

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1	− 3° 10′ 5″,88*	+20″,043	+9·6365	−8·7425	+1·3020	−5·3845		282	
2	+58 12 40,45	20,043	9·3579	+9·9294	1·3020	6·7894	3216	283	
3	+17 16 0,79	20,043	9·6170	+9·4725	1·3020	7·0747	3218	284	
4	−28 56 3,10*	20,043	9·5809	−9·6847	1·3020	7·4630		285	1937 C
5	−46 41 5,70*	20,042	9·4771	−9·8619	1·3020	7·5187			1938 C
6	− 3 30 25,18*	20,042	9·6365	−8·7865	1·3019	7·7218		286	998 M
7	+10 12 0,70	20,042	9·6294	+9·2482	1·3019	7·7526	3219	287	
8	+45 7 33,46	20,042	9·4786	+9·8504	1·3019	7·8197	3220	288	
9	− 6 11 35,28*	20,042	9·6355	−9·0329	1·3019	7·8457		1	
10	−83 10 9,70*	20,042	8·7853	−9·9969	1·3019	7·9553			1940 C
11	−16 24 8,04	20,041	9·6222	−9·4508	1·3019	8·0546	3222	5	
12	−28 44 48,70*	20,041	9·5877	−9·6821	1·3019	8·1060		6	1941 C
13	+14 14 18,11	20,039	9·6191	+9·3908	1·3019	8·2919	1	9	1 M
14	+19 15 44,82	20,036	9·6042	+9·5182	1·3018	8·4042	3	14	
15	−19 52 28,58	20,036	9·6201	−9·5313	1·3018	8·4176	4	15	
16	+ 7 52 38,12	20,035	9·6294	+9·1367	1·3018	8·4339	5	16	2 M
17	+ 7 17 47,63	20,031	9·6294	+9·1036	1·3017	8·5334	7	24	3 M
18	+37 44 14,71	20,030	9·5065	+9·7865	1·3017	8·5547	9	28	
19	+ 0 44 35,43*	20,027	9·6365	+8·1125	1·3016	8·5969		33	5 M
20	− 9 45 57,13	20,021	9·6395	−9·2290	1·3015	8·6715	14	42	
21	−65 54 27,82*	20,019	9·3444	−9·9599	1·3014	8·6856			11 C
22	+15 18 27,38	20,019	9·6085	+9·4211	1·3014	8·6870	15	43	
23	+ 7 14 46,04	20,016	9·6274	+9·1002	1·3014	8·7137	16	45	6 M
24	−29 55 18,53*	20,011	9·6064	−9·6972	1·3013	8·7524		50	13 C
25	−13 9 18,54	20,004	9·6405	−9·3563	1·3011	8·7904	20	55	
26	− 3 9 36,47*	19,995	9·6405	−8·7403	1·3009	8·8384		60	7 M
27	−78 12 41,00*	19,990	9·2041	−9·9896	1·3008	8·8581			15 C
28	+ 0 59 54,91	19,990	9·6365	+8·2401	1·3008	8·8617	25	64	8 M
29	+ 6 45 4,94	19,988	9·6253	+9·0691	1·3008	8·8681	26	65	
30	−44 37 20,34*	19,982	9·5611	−9·8453	1·3006	8·8899		68	16 C
31	−43 13 36,15*	19,982	9·5670	−9·8343	1·3006	8·8911		69	17 C
32	− 0 59 27,33	19,981	9·6385	−8·2365	1·3006	8·8923	29	70	9 M
33	+16 57 5,98	19,972	9·5922	+9·4632	1·3004	8·9224	32	76	
34	+15 30 18,12	19,971	9·5966	+9·4255	1·3004	8·9266	33	77	
35	+28 48 47,47	+19,957	+9·5263	+9·6812	+1·3001	−8·9647	35	86	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
36	Ceti	6	0 21 14,16*	+3,033	+8·8388	+7·8069	+0·4819	−8·2739
37	12 Ceti *n*	6	21 21,66	3,057	8·8236	7·7943	0·4853	−7·7549
38	Ceti	6	21 52,37*	3,009	8·8637	7·8448	0·4785	−8·4852
39	14 Cassiopeæ λ	5	22 25,51	3,245	9·0483	8·0403	0·5112	+8·9540
40	Phœnicis λ^1	5	23 10,86*	2,909	9·0112	8·0176	0·4637	−8·8937
41	15 Cassiopeæ ϰ	4	23 23,15	3,324	9·1499	8·1602	0·5216	+9·0958
42	51 Piscium	6·7	23 37,63	3,083	8·8240	7·8388	0·4889	+7·8444
43	52 Piscium	6	23 41,13	3,116	8·8469	7·8627	0·4937	+8·3673
44	Tucanæ β^1	4	23 42,84*	2,786	9·1782	8·1946	0·4450	−9·1315
45	Tucanæ β^2	4	23 43,20*	2,786	9·1783	8·1948	0·4450	−9·1316
46	Tucanæ β^3	5	24 56,90*	2,771	9·1790	8·2176	0·4426	−9·1325
47	Piscium	7	25 22,29*	3,092	8·8271	7·8730	0·4903	+8·0387
48	Ceti	7	25 49,01*	3,054	8·8231	7·8767	0·4848	−7·8035
49	Piscium	6·7	26 6,84*	3,102	8·8314	7·8900	0·4916	+8·1645
50	13 Ceti	6	26 29,31	3,056	8·8224	7·8872	0·4851	−7·7198
51	120 Piscium	6·7	26 49,50	3,064	8·8211	7·8914	0·4863	−7·2212
52	17 Cassiopeæ ζ	4	27 32,30	3,280	9·0409	8·1228	0·5159	+8·9430
53	29 Androm. π	4·5	27 49,43	3,172	8·8960	7·9824	0·5014	+8·6296
54	53 Piscium	6	27 55,94	3,109	8·8343	7·9224	0·4927	+8·2269
55	Ceti	6	28 33,07*	2,988	8·8658	7·9635	0·4754	−8·5030
56	Piscium	7	28 45,04*	3,074	8·8208	7·9216	0·4878	+7·4055
57	15 Ceti	7	29 22,63	3,064	8·8205	7·9307	0·4862	−7·2203
58	30 Androm. ε	4	29 34,92	3,161	8·8759	7·9892	0·4998	+8·5530
59	31 Androm. δ	3	30 14,98	3,169	8·8823	8·0054	0·5009	+8·5803
60	18 Cassiopeæ α	3	30 54,10	3,330	9·0680	8·2004	0·5225	+8·9845
61	55 Piscium	6	30 59,13	3,135	8·8484	7·9820	0·4963	+8·3928
62	Ceti	6·7	32 2,79*	3,051	8·8215	7·9699	0·4844	−7·7858
63	Phœnicis μ	5	33 16,56*	2,861	8·9857	8·1507	0·4565	−8·8499
64	Ceti	6	33 39,29*	3,024	8·8300	8·0000	0·4806	−8·1734
65	20 Cassiopeæ π	5	34 5,03	3,274	8·9780	8·1536	0·5150	+8·8357
66	Ceti	6	34 12,48*	2,991	8·8493	8·0265	0·4758	−8·4061
67	16 Ceti β	2·3	35 3,23	2,998	8·8429	8·0309	0·4769	−8·3538
68	17 Ceti φ^1	5	35 36,58	3,026	8·8275	8·0224	0·4808	−8·1285
69	Phœnicis η	5	35 40,34*	2,731	9·0992	8·2949	0·4364	−9·029.
70	Ceti	6	0 36 19,36*	+2,979	+8·8542	+8·0579	+0·4740	−8·4451

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
36	−15° 48′ 12″,58*	+19″,957	+9·6464	−9·4332	+1·3001	−8·9663		88	
37	− 4 53 50,76	19,956	9·6435	−8·9294	1·3001	8·9688	38	89	11 M
38	−24 43 44,83*	19,951	9·6375	−9·6195	1·3000	8·9791		91	22 C
39	+53 35 8,25	19,947	9·2529	+9·9036	1·2999	8·9899	40	95	
40	−49 43 46,30*	19,940	9·5539	−9·8803	1·2997	9·0042			25 C
41	+61 59 30,36	19,938	9·0569	+9·9436	1·2997	9·0080	43	99	
42	+ 6 1 0,22	19,936	9·6243	+9·0181	1·2996	9·0125	44	101	12 M
43	+19 21 29,28	19,936	9·5740	+9·5181	1·2996	9·0135	45	102	
44	−63 53 58,36*	19,935	9·4533	−9·9510	1·2996	9·0141			26 C
45	−63 54 20,36*	19,935	9·4533	−9·9510	1·2996	9·0142			27 C
46	−63 58 7,42*	19,924	9·4594	−9·9510	1·2994	9·0360			28 C
47	+ 9 22 8,46*	19,920	9·6128	+9·2090	1·2993	9·0433		110	
48	− 5 29 6,37*	19,916	9·6464	−8·9776	1·2992	9·0508		113	
49	+12 26 8,65*	19,913	9·6021	+9·3303	1·2991	9·0558		115	
50	− 4 31 45,19	19,909	9·6454	−8·8945	1·2990	9·0619	50	117	
51	− 1 26 22,86*	19,905	9·6405	−8·3971	1·2990	9·0674	51	120	14 M
52	+52 57 37,26	19,898	9·2175	+9·8990	1·2988	9·0787	52	123	
53	+32 46 58,41	19,895	9·4757	+9·7304	1·2987	9·0832	53	125	
54	+14 17 45,15	19,894	9·5922	+9·3893	1·2987	9·0848	54	126	
55	−25 42 13,20*	19,887	9·6484	−9·6338	1·2986	9·0943		130	36 C
56	+ 2 12 9,25*	19,885	9·6325	+8·5813	1·2985	9·0973		131	
57	− 1 26 20,14	19,878	9·6405	−8·3963	1·2984	9·1066	55	133	15 M
58	+28 23 15,14	19,876	9·5065	+9·6735	1·2983	9·1096	56	134	
59	+29 55 48,73	19,868	9·4914	+9·6943	1·2982	9·1193	57	136	
60	+55 36 12,79	19,861	9·1271	+9·9126	1·2980	9·1285	59	139	
61	+20 30 18,20	19,860	9·5563	+9·5404	1·2980	9·1297	60	141	
62	−5 17 7,27*	19,847	9·6484	−8·9601	1·2977	9·1442		146	16 M
63	[illegible]	19,832	9·6042	−9·8596	1·2974	9·1604			41 C
64	[illegible]	19,827	9·6580	−9·3387	1·2973	9·1653		152	
65	[illegible]	19,821	9·2878	+9·8528	1·2971	9·1708	67	154	
66	[illegible]	19,820	9·6618	−9·5520	1·2971	9·1723		155	
67	[illegible]	19,809	9·6628	−9·5058	1·2969	9·1829	70	159	
68	[illegible]	19,801	9·6590	−9·2958	1·2967	9·1896	71	163	
69	−58 23 43,14*	19,800	9·5551	−9·9250	1·2967	9·1904			47 C
	−22 56 31,41*	+19,791	+9·6646	−9·5854	+1·2965	−9·1982		166	48 C

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
71	Ceti	6	0 36 44,83*	+3,047	+8·8204	+8·0291	+0·4839	−7·8068
72	18 Ceti	6	36 55,92	3,015	8·8310	8·0420	0·4793	−8·2086
73	57 Piscium	6·7	37 39,81	3,125	8·8322	8·0518	0·4948	+8·2322
74	58 Piscium	6	38 9,07	3,111	8·8260	8·0513	0·4929	+8·1084
75	59 Piscium	6	38 14,99	3,143	8·8413	8·0678	0·4973	+8·3461
76	34 Androm. ζ	4	38 20,68	3,164	8·8549	8·0825	0·5002	+8·4528
77	60 Piscium	6	38 35,69	3,091	8·8200	8·0504	0·4901	+7·8255
78	24 Cassiopeæ η	4	38 51,20	3,533*	9·0805	8·3139	0·5481	+9·0037
79	Piscium	6	39 26,64*	3,086	8·8187	8·0589	0·4894	+7·7051
80	62 Piscium	6	39 28,17	3,094	8·8201	8·0605	0·4905	+7·8653
81	63 Piscium δ	5	39 52,11	3,095	8·8202	8·0651	0·4907	+7·8846
82	64 Piscium y	5·6	40 3,22	3,135	8·8344	8·0814	0·4962	+8·2754
83	35 Androm. ν	4	40 27,72	3,266	8·9338	8·1852	0·5140	+8·7432
84	65 Piscium i	6	40 45,77	3,187	8·8663	8·1210	0·5034	+8·5201
85	19 Ceti φ^2	6	41 36,77	3,019	8·8256	8·0895	0·4798	−8·1275
86	20 Ceti m	5	44 19,60	3,059	8·8160	8·1080	0·4855	−7·3735
87	66 Piscium	6	45 35,49	3,155	8·8377	8·1422	0·4990	+8·3338
88	36 Andromedæ	6	45 52,58	3,179	8·8502	8·1574	0·5023	+8·4368
89	27 Cassiopeæ γ	3	46 29,73	3,531	9·1133	8·4265	0·5478	+9·0499
90	67 Piscium k	6	46 50,57*	3,202	8·8622	8·1788	0·5054	+8·5085
91	Cephei	5	46 52,15	6,396	9·9049	9·2217	0·8059	+9·9034
92	Ceti	6	47 6,75*	3,028	8·8192	8·1383	0·4812	−7·9769
93	Piscium	7	47 14,25*	3,131	8·8259	8·1463	0·4957	+8·1790
94	37 Androm. μ	4	47 20,45	3,359*	8·9156	8·2368	0·5262	+8·7007
95	22 Ceti φ^3	6	47 29,69	3,009	8·8244	8·1472	0·4784	−8·1490
96	38 Androm. η	5	48 7,98	3,183	8·8486	8·1774	0·5029	+8·4315
97	68 Piscium h	6	48 38,67	3,218	8·8684	8·2018	0·5076	+8·5410
98	Piscium	6·7	48 59,62*	3,132	8·8248	8·1614	0·4959	+8·1694
99	23 Ceti φ^4	6	50 12,94	3,005	8·8235	8·1741	0·4798	−8·1519
100	App. Sculp. α	5	50 24,56*	2,898	8·8770	8·2321	0·4721	−8·5796
101	Piscium	6·7	51 0,84	3,097	8·8151	8·1699	0·4909	+7·8017
102	Piscium	7	53 38,99*	3,111	8·8160	8·1935	0·4929	+7·9545
103	71 Piscium ε	4	54 7,79	3,106	8·8149	8·1963	0·4922	.
104	25 Ceti	6	54 26,43	3,036	8·8137	8·1977	0·4824	.
105	26 Ceti	6·7	0 55 3,97	+3,071	+8·8113	+8·2004	+0·4872	.

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
71	− 5° 33′ 44″,00*	+19″,786	+9·6503	−8·9808	+1·2963	−9·2032		171	
72	−13 48 11,83	19,783	9·6618	−9·3720	1·2963	9·2053	73	172	
73	+14 32 53,06	19,773	9·5786	+9·3941	1·2961	9·2138	75	178	
74	+11 2 46,82	19,766	9·5955	+9·2764	1·2959	9·2193	76	179	
75	+18 38 57,52	19,764	9·5539	+9·4988	1·2959	9·2204	77	180	
76	+23 20 27,64	19,763	9·5211	+9·5918	1·2958	9·2215	78	182	
77	+ 5 48 46,80	19,759	9·6180	+8·9993	1·2958	9·2243	80	183	19 M
78	+56 54 41,24	19,035*	8·9823	+9·9169	1·2796	9·2272	79	185	
79	+ 4 24 53,10*	19,747	9·6232	+8·8799	1·2955	9·2337		189	20 M
80	+ 6 22 12,97	19,746	9·6149	+9·0387	1·2955	9·2339	84	190	21 M
81	+ 6 39 33,91	19,740	9·6138	+9·0577	1·2953	9·2383	85	192	22 M
82	+16 1 19,05	19,737	9·5670	+9·4343	1·2953	9·2402	86	193	
83	+40 9 3,25	19,731	9·3404	+9·8026	1·2952	9·2446	87	194	
84	+26 46 57,88	19,726	9·4871	+9·6469	1·2950	9·2478	88	195	
85	−11 33 41,07	19,713	9·6637	−9·2947	1·2948	9·2567	89	201	
86	− 2 4 8,20	19,669	9·6444	−8·5493	1·2938	9·2838	93	213	24 M
87	+18 15 53,35	19,647	9·5441	+9·4875	1·2933	9·2958	96	221	
88	+22 42 23,16	19,642	9·5092	+9·5778	1·2932	9·2985	97	223	
89	+59 47 43,26	19,632	8·6435	+9·9276	1·2930	9·3042	99	225	
90	+26 17 13,36	19,625	+9·4757	+9·6371	1·2928	9·3074	100	228	
91	+85 20 20,47	19,625	−9·2227	+9·9894	1·2928	9·3077	92	220	43 H
92	− 8 16 3,04*	19,621	+9·6609	−9·1485	1·2927	9·3099		230	
93	+13 1 47,11*	19,618	9·5763	+9·3438	1·2927	9·3110		231	27 M
94	+37 34 31,65	19,617	9·3404	+9·7759	1·2926	9·3120	101	232	
95	−12 11 18,95	19,614	9·6693	−9·3152	1·2926	9·3133	103	235	
96	+22 29 55,13	19,602	9·5065	+9·5732	1·2923	9·3191	104	238	
97	+28 4 16,91	19,593	9·4533	+9·6628	1·2921	9·3236	105	241	
98	+12 46 31,66*	19,586	9·5752	+9·3347	1·2920	9·3266		243	28 M
99	−12 17 57,00	19,563	9·6721	−9·3179	1·2914	9·3372	106	249	
100	−30 16 39,25*	19,560	9·6857	−9·6920	1·2914	9·3388		250	61 C
101	+ 5 33 52,93*	19,548	9·6138	+8·9758	1·2911	9·3439	107	252	30 M
102	+ 7 54 22,39*	19,496	9·5999	+9·1265	1·2899	9·3654		262	
103	+ 6 58 23,20	19,486	9·6053	+9·0720	1·2897	9·3692	113	264	31 M
104	− 5 44 47,62	19,480	9·6590	−8·9882	1·2896	9·3716	115	266	
105	+ 0 27 13,15	+19,467	+9·6355	+7·8859	+1·2893	−9·3765	116	270	

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
106	73 Piscium		6·7	0 56 4,45	+3,095	+8·8123	+8·2096	+0·4906	+7·7298
107	72 Piscium	z	6	56 7,00	3,149	8·8239	8·2216	0·4982	+8·2085
108	74 Piscium	ψ^1	5·6	56 34,93	3,191	8·8391	8·2406	0·5039	+8·3847
109	27 Ceti		6	57 5,76	3,005	8·8182	8·2237	0·4778	—8·0945
110	28 Ceti		6	57 33,48	3,005	8·8178	8·2269	0·4778	—8·0885
111	75 Piscium	H	6·7	57 37,46	3,139	8·8197	8·2294	0·4968	+8·1391
112	Phœnicis	β	3·4	58 29,10*	2,698	8·9810	8·3974	0·4311	—8·8495
113	79 Piscium	ψ^2	6	58 50,50	3,190	8·8360	8·2552	0·5038	+8·3666
114	30 Ceti		6	59 13,11	3,004	8·8169	8·2390	0·4776	—8·0855
115	1 Ursæ Min.	α	2·3	59 19,64	15,430*	0·3639	9·7869	1·1884	+0·3638
116	80 Piscium	e	5	59 37,32	3,097	8·8105	8·2357	0·4909	+7·7284
117	42 Androm.	φ	5	0 59 40,10	3,428	8·9699	8·3954	0·5351	+8·8292
118	31 Ceti	η	3·4	1 0 2,63	3,000	8·8170	8·2454	0·4772	—8·1009
119	43 Androm.	β	2	0 13.67	3,309	8·8939	8·3237	0·5196	+8·6494
120	81 Piscium	ψ^3	6	0 44,38*	3,187	8·8322	8·2658	0·5034	+8·3392
8t121	33 Cassiopeæ	θ	4·5	0 48,09	3,555	9·0418	8·4759	0·5508	+8·9511
87122	Piscium		6	1 10,66*	3,161	8·8228	8·2597	0·4998	+8·2292
88123	Phœnicis	ζ	5	1 13,00*	2,542	9·0624	8·4996	0·4052	—8·9817
124	32 Ceti		6	1 40,19	3,007	8·8144	8·2549	0·4781	—8·0458
125	33 Ceti		6	1 48,63	3,078	8·8081	8·2497	0·4882	+7·2372
126	83 Piscium	τ	6	2 18,39	3,268	8·8666	8·3119	0·5143	+8·5547
127	84 Piscium	χ	5	2 20,14	3,200	8·8350	8·2805	0·5051	+8·3217
128	Piscium		7	2 35,10*	3,128	8·8134	8·2606	0·4952	+8·0258
129	34 Ceti		6·7	3 4,58	3,048	8·8079	8·2588	0·4840	—7·6487
130	35 Ceti		6·7	3 47,71	3,078	8·8070	8·2631	0·4883	+7·2856
131	85 Piscium	φ	6	4 31,95	3,231	8·8447	8·3060	0·5093	+8·4485
132	86 Piscium	ξ^1	6	4 51,54	3,112	8·8092	8·2728	0·4930	+7·8745
133	87 Piscium		6·7	5 5,79	3,170	8·8217	8·2870	0·5011	+8·2412
134	37 Ceti	b	6	5 49,90	3,009	8·8109	8·2814	0·4784	—7·9974
135	88 Piscium		6·7	5 51,76	3,108	8·8082	8·2788	0·4925	+7·8342
136	38 Ceti		6	6 8,59	3,056	8·8058	8·2784	0·4851	—7·3228
137	39 Ceti		6	7 58,61	3,045	8·8053	8·2905	0·4836	—7·5779
138	40 Ceti		6	8 17,20	3,046	8·8050	8·2923	0·4838	—7·5479
139	89 Piscium	f	6	9 1,99	3,087	8·8044	8·2967	0·4895	+7·4805
140	90 Piscium	v	5·6	1 10 8,28	+3,268	+8·8510	+8·3506	+0·5142	+8·4985

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106	+ 4° 44′ 38″,32	+19″.446	+9·6160	+8·9044	+1·2888	−9·3842	120	273	33 M
107	+14 1 49,72	19·445	9·5587	+9·3715	1·2888	9·3846	119	274	
108	+20 33 39,90	19·435	9·5052	+9·5322	1·2886	9·3881	121	275	
109	−10 53 22,53	19·424	9·6749	−9·2627	1·2883	9·3919	126	284	
110	−10 45 3,64	19·414	9·6739	−9·2569	1·2881	9·3953	128	286	
111	+12 2 35,17	19·412	9·5705	+9·3055	1·2881	9·3958	127	287	
112	−47 37 41,60*	19·394	9·6794	−9·8542	1·2877	9·4021			68 C
113	+19 50 2,01	19·386	9·5079	+9·5161	1·2875	9·4047	132	292	
114	−10 41 50,26	19·377	+9·6749	−9·2540	1·2873	9·4074	135	296	
115	+88 24 9,05	19·375	−9·3874	+9·9851	1·2872	9·4082	102	263	
116	+ 4 44 53,25	19·368	+9·6149	+8·9030	1·2871	9·4103	136	299	36 M
117	+46 19 59,24	19·367	9·0569	+9·8445	1·2871	9·4106	134	298	
118	−11 5 3,80	19·359	9·6776	−9·2688	1·2869	9·4133	141	300	
119	+34 43 3,68	19·355	9·3201	+9·7403	1·2868	9·4146	140	301	
120	+18 44 58,76	19·343	9·5145	+9·4917	1·2865	9·4182	144	308	
121	+54 14 32,91	19·341	8·6128	+9·8938	1·2865	9·4186	142	307	
122	+14 46 3,27*	19·333	9·5478	+9·3907	1·2863	9·4212		311	
123	−56 9 9,96*	19·332	9·6637	−9·9037	1·2863	9·4215			71 C
124	− 9 48 35,29	19·321	9·6749	−9·2155	1·2860	9·4246	147	2	
125	+ 1 32 20,76	19·318	9·6304	+8·4131	1·2860	9·4256	148	3	
126	+29 11 7,79	19·306	9·3945	+9·6718	1·2857	9·4290	149	5	
127	+20 7 43,21	19·306	9·4997	+9·5205	1·2857	9·4292	150	6	
128	+ 9 23 10,59*	19·300	9·5843	+9·1960	1·2856	9·4309		8	38 M
129	− 3 9 20,84	19·288	9·6513	−8·7241	1·2853	9·4342	152	10	
130	+ 1 34 22,62*	19·271	9·6294	+8·4215	1·2849	9·4390	154	13	
131	+26 40 52,82	19·253	9·4564	+9·5864	1·2845	9·4438	157	15	
132	+ 6 40 28,13	19·245	9·6010	+9·0477	1·2843	9·4460	158	16	39 M
133	+15 13 53,26	19·240	9·5378	+9·4017	1·2842	9·4475	161	19	
134	− 8 50 14,71	19·221	9·6749	−9·1683	1·2838	9·4523	164	24	
135	+ 6 5 41,94	19·221	9·6042	+9·0078	1·2838	9·4525	162	23	41 M
136	− 1 53 5,43	19·214	9·6464	−8·4987	1·2836	9·4543	165	25	
137	− 3 23 46,74	19·167	9·6532	−8·7533	1·2826	9·4658	167	32	
138	− 3 10 16,96	19·159	9·6522	−8·7233	1·2824	9·4677	168	33	
139	+ 2 43 7,32	19·140	9·6232	+8·6561	1·2819	9·4723	171	36	42 M
140	+26 22 9,5?	+19·111	+9·4065	+9·6269	+1·2813	−9·4790	173	41	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
141	42 Ceti l^1	6	1 11 7,06	+3,058	+8·8028	+8·3088	+0·4854	−7·1916
142	91 Piscium l	6	11 44,60	3,285	8·8557	8·3658	0·5166	+8·5251
143	46 Androm. ξ	5	12 21,58	3,478	8·9497	8·5638	0·5413	+8·7964
144	Ceti	7	13 52,17*	3,074	8·8010	8·3247	0·4877	+6·9656
145	43 Ceti l^2	6·7	13 53,29	3,058	8·8011	8·3249	0·4855	−7·1701
146	36 Cassiopeæ ψ	4·5	14 1,27	4,079	9·2133	8·7379	0·6105	+9·1781
147	37 Cassiopeæ δ	3	14 45,44	4,833*	9·0930	8·6222	0·5836	+9·0276
148	44 Ceti	6	15 29,46	3,000	8·8052	8·3390	0·4772	−7·9943
149	45 Ceti θ^1	3	15 31,55	2,999	8·8053	8·3394	0·4770	−8·0027
150	93 Piscium ρ^1	5·6	17 5,97	3,214	8·8214	8·3651	0·5070	+8·3180
151	Phœnicis	5	17 8,96*	2,665	8·9304	8·4744	0·4257	−8·7590
152	46 Ceti c	5	17 15,51	2,946	8·8148	8·3595	0·4692	−8·2413
153	94 Piscium ρ^2	6·7	17 31,44	3,215	8·8213	8·3675	0·5072	+8·3195
154	Ceti	6·7	17 45,39*	3,058	8·7985	8·3462	0·4854	−7·1504
155	47 Ceti	6	18 29,06	2,957	8·8109	8·3630	0·4708	−8·1928
156	95 Piscium	7	18 50,66	3,103	8·7990	8·3532	0·4918	+7·6912
157	Piscium	7	19 15,92*	3,200	8·8150	8·3717	0·5051	+8·2605
158	Piscium	7	19 28,61*	3,124	8·8006	8·3585	0·4948	+7·8912
159	96 Piscium	6·7	20 10,67	3,120	8·7995	8·3616	0·4941	+7·8476
160	97 Piscium	6·7	20 42,58	3,213	8·8169	8·3822	0·5069	+8·2944
161	Phœnicis γ	3	20 57,96*	2,619	8·9407	8·5074	0·4181	−8·7839
162	98 Piscium μ	5	21 16,87	3,111	8·7978	8·3664	0·4929	+7·7604
163	48 Ceti	6	21 26,80	2,875	8·8303	8·3998	0·4587	−8·4133
164	Ceti	6	22 ——*	2,836	8·8440	8·4145	0·4527	−8·4935
165	App. Sculp.	6	22 21,36*	2,828	8·8457	8·4203	0·4518	−8·5041
166	99 Piscium η	4	22 23,89	3,189	8·8092	8·3842	0·5037	+8·2068
167	Phœnicis δ	4	24 9,70*	2,497	8·9855	8·4706	0·3973	−8·8694
168	Piscium	7	24 23,85*	3,130	8·7973	8·3832	0·4955	+7·9034
169	Piscium	6	25 37,41*	3,223	8·8137	8·4070	0·5082	+8·2940
170	100 Piscium	7	25 50,07	3,169	8·8018	8·3963	0·5009	+8·1083
171	49 Ceti	5·6	26 18,88	2,922	8·8107	8·4079	0·4657	−8·2653
172	101 Piscium	6	26 41,07	3,189	8·8048	8·4040	0·5037	+8·1820
173	Piscium	6	26 43,39*	3,215	8·8104	8·4098	0·5072	+8·2653
174	50 Androm. υ	5	26 50,52	3,491	8·9112	8·5113	0·5429	+8·7243
175	Piscium	6·7	1 27 9,51*	+3,127	+8·7948	+8·3965	+0·4951	+7·8664

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
141	− 1° 24′ 9″,81	+19″,085	+9·6444	−8·3676	+1·2807	−9·4848	175	47	44 M
142	+27 50 50,70	19,069	9·3802	+9·6478	1·2803	9·4885	176	48	
143	+44 38 10,66	19,052	8·9590	+9·8247	1·2799	9·4921	177	51	
144	+ 0 50 12,59*	19,011	9·6325	+8·1416	1·2790	9·5007		57	45 M
145	− 1 20 25,49	19,010	+9·6444	−8·3461	1·2790	9·5008	181	58	
146	+67 14 19,70	19,006	−9·0969	+9·9417	1·2789	9·5016	178	53	
147	+59 20 56,24	18,986	−8·7404	+9·9111	1·2784	9·5057	180	62	
148	− 8 53 31,85	18,965	+9·6803	−9·1651	1·2780	9·5098	183	66	
149	− 9 3 45,18	18,964	9·6812	−9·1733	1·2779	9·5100	184	67	
150	+18 17 9,81	18,919	9·4886	+9·4715	1·2769	9·5186	185	72	48 M
151	−42 22 46,85*	18,918	9·7356	−9·8036	1·2769	9·5189		76	86 C
152	−15 29 4,45	18,915	9·7042	−9·4013	1·2768	9·5195	190	75	
153	+18 21 27,08	18,907	9·4871	+9·4729	1·2766	9·5209	189	77	49 M
154	− 1 17 ——*	18,900	9·6444	−8·3264	1·2765	9·5222	191		
155	−13 56 34,47	18,879	9·7007	−9·3560	1·2760	9·5261	192	82	
156	+ 4 28 29,06	18,868	9·6096	+8·8660	1·2757	9·5280	194	83	
157	+16 11 50,72*	18,856	9·5079	+9·4190	1·2754	9·5302		84	50 M
158	+ 7 4 40,23*	18,850	9·5899	+9·0640	1·2753	9·5313		85	
159	+ 6 24 53,28	18,829	9·5944	+9·0210	1·2748	9·5350	197	91	
160	+17 28 28,14*	18,813	9·4914	+9·4500	1·2744	9·5377	198	92	
161	−44 11 23,52*	18,805	9·7419	−9·8156	1·2743	9·5390		94	89 C
162	+ 5 15 48,52	18,795	9·6021	+8·9346	1·2740	9·5407	199	95	51 M
163	−28 30 38,20*	18,790	9·7275	−9·5550	1·2739	9·5415	200	96	
164	−26 29 56,45*	18,785	9·7356	−9·6214	1·2738	9·5424	201		
165	−27 5 17,54*	18,762	9·7372	−9·6297	1·2733	9·5461		99	
166	+14 28 2,40	18,761	9·5211	+9·3689	1·2733	9·5463	203	98	52 M
167	−49 57 17,68*	18,706	9·7435	−9·8540	1·2720	9·5551			91 C
168	+ 7 20 3,64*	18,699	9·5843	+9·0759	1·2718	9·5563		107	54 M
169	+17 35 29,11*	18,660	9·4829	+9·4493	1·2709	9·5623		110	
170	+11 41 10,64	18,653	9·5453	+9·2753	1·2708	9·5633	208	111	
171	−16 32 59,86	18,638	9·7168	−9·4231	1·2704	9·5656	210	117	
172	+13 47 25,15	18,626	9·5224	+9·3454	1·2701	9·5674	211	118	
173	+16 33 38,16*	18,625	9·4928	+9·4230	1·2701	9·5675		120	
174	+40 33 6,87	18,621	8·9542	+9·7811	1·2700	9·5681	209	119	
175	+ 6 46 21,42*	+18,611	+9·5877	+9·0394	+1·2698	−9·5696		123	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
176	51 Androm. R^2	3·4	1 27 35,70	+3,617	+8·9639	+8·5681	+0·5583	+8·8333
177	50 Ceti	6	27 40,98	2,922	8·8091	8·4137	0·4657	−8·2565
178	102 Piscium π	6	28 5,56	3,168	8·7995	8·4064	0·5008	+8·0904
179	Ceti	6	29 7,13*	2,976	8·7972	8·4097	0·4736	−8·0487
180	104 Piscium	6·7	30 9,92	3,190	8·8014	8·4195	0·5038	+8·1671
181	105 Piscium	6	30 31,25	3,211	8·8053	8·4253	0·5066	+8·2333
182	Eridani α	1	31 22,04*	2,235	9·0655	8·6900	0·3492	−8·9944
183	Piscium	7	31 37,66*	3,140	8·7924	8·4183	0·4969	+7·9303
184	106 Piscium ν	5	32 35,38	3,111	8·7889	8·4198	0·4928	+7·6953
185	54 Androm.	5	33 2,97	3,693	8·9775	8·6108	0·5674	+8·8606
186	107 Piscium	5·6	33 16,69	3,255	8·8124	8·4469	0·5125	+8·3346
187	109 Piscium	6·7	35 39,21	3,257	8·8099	8·4567	0·5128	+8·3276
188	52 Ceti τ	3·4	36 10,08	2,779*	8·8035	8·4530	0·4439	−8·2653
189	110 Piscium o	5	36 25,40	3,148	8·7889	8·4396	0·4980	+7·9483
190	Ceti	6	37 27,26*	3,004	8·7863	8·4422	0·4778	−7·8458
191	App. Sculp. ε	5	37 40,41*	2,800	8·8292	8·4863	0·4471	−8·4696
192	4 Arietis	6·7	38 58,35	3,230	8·7995	8·4630	0·5091	+8·2426
193	Arietis	6	40 45,55*	3,291	8·8116	8·4840	0·5174	+8·3743
194	53 Ceti χ^2	5	41 13,50	2,952	8·7889	8·4637	0·4700	−8·0897
195	54 Ceti	6	41 50,42	3,171	8·7865	8·4642	0·5012	+8·0346
196	45 Cassiopeæ ε	3·4	42 15,09	4,191	9·1196	8·7993	0·6223	+9·0688
197	55 Ceti ζ	3	43 3,91	2,953	8·7867	8·4704	0·4703	−8·0743
198	2 Trianguli α	3·4	43 24,45	3,388	8·8352	8·5206	0·5299	+8·5173
199	5 Arietis γ	4·5	44 12,98	3,264	8·8003	8·4895	0·5137	+8·3008
200	111 Piscium ξ	5·6	44 45,61	3,092	8·7772	8·4691	0·4903	+7·8890
201	6 Arietis β	3	45 15,20	3,283	8·8033	8·4975	0·5163	+8·3369
202	7 Arietis	6	46 22,81	3,319	8·8105	8·5100	0·5210	+8·3977
203	Piscium	7	47 6,76*	3,079	8·7747	8·4777	0·4883	+7·0178
204	Phœnicis φ	5	47 18,77*	2,499	8·9127	8·6166	0·3978	−8·7492
205	8 Arietis ι	6	48 4,65	3,253	8·7931	8·5006	0·5123	+8·2586
206	48 Cassiopeæ	5	48 8,68	4,744	9·2412	8·9490	0·6761	+9·2144
207	9 Arietis λ	5·6	48 28,52	3,324	8·8085	8·5179	0·5216	+8·3962
208	56 Ceti v^1	6	48 41,69	2,804	8·8103	8·5207	0·4478	−8·4085
209	50 Cassiopeæ	4·5	49 4,41	4,908	9·2734	8·9856	0·6909	+9·2506
210	Eridani χ	4	1 49 19,32*	+2,270	+8·9877	+8·7010	+0·3560	−8·8869

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
176	+47° 45′ 48″,46	+18″,596	+8·2041	+9·8369	+1·2694	−9·5717	212	124	
177	−16 16 15,29	18,594	9·7177	−9·4148	1·2694	9·5721	213	125	
178	+11 16 11,49	18,580	9·5478	+9·2581	1·2690	9·5740	214	126	56 M
179	−10 16 40,33*	18,546	9·6946	−9·2177	1·2683	9·5788		131	
180	+13 25 13,84	18,511	9·5224	+9·3312	1·2674	9·5836	220	136	
181	+15 32 27,29	18,499	9·4983	+9·3932	1·2672	9·5852	223	138	
182	−58 6 12,12*	18,471	9·7474	−9·8934	1·2665	9·5890			102 C
183	+ 7 53 44,90*	18,462	9·5763	+9·1022	1·2663	9·5902		144	58 M
184	+ 4 37 27,85	18,429	+9·6031	+8·8700	1·2655	9·5945	228	150	60 M
185	+49 49 42,74	18,413	−8·3424	+9·8463	1·2651	9·5965	227	151	
186	+19 26 25,45	17,835*	+9·4425	+9·4852	1·2513	9·5975	229	154	
187	+19 13 53,70	18,322	9·4409	+9·4787	1·2630	9·6078	231	162	
188	−16 50 3,06	19,144*	9·7267	−9·4224	1·2820	9·6100	233	163	
189	+ 8 17 57,75	18,295	9·5682	+9·1198	1·2623	9·6111	232	164	61 M
190	− 6 35 11,12*	18,258	9·6794	−9·0191	1·2614	9·6155		167	
191	−25 54 17,71*	18,250	9·7566	−9·5997	1·2613	9·6164		168	113 C
192	+16 6 23,29	18,203	9·4786	+9·4013	1·2601	9·6217	235	172	
193	+21 25 40,65*	18,137	9·3962	+9·5193	1·2586	9·6290		179	
194	−11 31 50,10	18,119	9·7076	−9·2570	1·2581	9·6309	242	183	
195	+10 11 52,89	18,096	+9·5453	+9·2037	1·2576	9·6333	243	185	63 M
196	+62 49 39,59	18,081	−9·2695	+9·9045	1·2572	9·6350	239	184	
197	−11 10 45,59	18,050	+9·7076	−9·2421	1·2565	9·6382	247	192	
198	+28 44 47,11	18,037	9·2330	+9·6363	1·2562	9·6395	245	193	
199	+18 27 28,79	18,006	9·4362	+9·4540	1·2554	9·6427	248	197	65 M
200	+ 2 20 39,53	17,985	9·6191	+8·5648	1·2549	9·6448	251	201	
201	+19 58 27,26	17,966	9·4099	+9·4860	1·2544	9·6467	252	202	66 M
202	+22 44 27,01	17,922	9·3560	+9·5387	1·2534	9·6510	257	205	
203	+ 1 0 9,64	17,893	9·6294	+8·1938	1·2527	9·6537		209	
204	−43 20 1,67*	17,885	9·7966	−9·7870	1·2525	9·6545		212	124 C
205	+16 59 2,65	17,855	+9·4502	+9·4153	1·2518	9·6573	262	214	67 M
206	+70 4 36,43	17,852	−9·4456	+9·9229	1·2517	9·6576	258	210	
207	+22 45 51,05	17,839	+9·3502	+9·5371	1·2514	9·6588	263	216	
208	−23 21 37,48	17,830	+9·7627	−9·5475	1·2512	9·6596	267	218	
209	+71 35 33,87	17,815	−9·4742	+9·9260	1·2508	9·6610	260	215	
210	−52 27 34,08*	+17,805	+9·7980	−9·8478	+1·2505	−9·6619			127 C

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
							b	*c*	*d*
				h m s	s				
211	Arietis		6	1 50 9,89*	+3,296	+8·7993	+8·5166	+0·5179	+8·3381
212	Piscium		7	50 20,11*	3,194	8·7803	8·4983	0·5043	+8·0787
213	Hydri	η^2	4·5	50 37,74*	1,495	9·2069	8·9263	0·1745	−9·1755
214	Ceti		7	51 4,20*	3,125	8·7726	8·4948	0·4948	+7·7305
215	112 Piscium		6	51 19,01	3,093	8·7709	8·4934	0·4904	+7·3706
216	57 Ceti	t	6	51 46,28	2,819	8·8019	8·5265	0·4502	−8·3689
217	59 Ceti	v^2	4·5	51 59,36	2,816	8·8024	8·5280	0·4496	−8·3742
218	113 Piscium	α	5	53 15,55	3,090	8·7688	8·5002	0·4899	+7·2984
219	Hydri	α	3	53 25,16*	1,854	9·1025	8·8346	0·2682	−9·0500
220	57 Androm.	γ	3·4	53 29,45	3,630	8·8939	8·6264	0·5599	+8·7153
221	Arietis		7	53 53,94*	3,183	8·7748	8·5091	0·5028	+8·0228
222	Arietis	A	6	54 23,79*	3,269	8·7878	8·5244	0·5144	+8·2643
223	60 Ceti		6	54 29,17	3,060	8·7673	8·5043	0·4858	−6·8503
224	Phœnicis	χ	5	54 53,51*	2,414	8·9215	8·6603	0·3827	−8·7750
225	12 Arietis	$\varkappa$	6	57 3,77	3,330	8·7969	8·5454	0·5224	+8·3674
226	Arietis		6	57 5,36*	3,373	8·8074	8·5560	0·5280	+8·4336
227	13 Arietis	α	3	57 36,12	3,342	8·7989	8·5498	0·5240	+8·3846
228	4 Trianguli	β	4	59 27,45	3,520	8·8444	8·6034	0·5465	+8·5940
229	14 Arietis		5·6	1 59 45,71	3,381	8·8049	8·5653	0·5290	+8·4330
230	62 Ceti		6·7	2 0 48,85*	3,108	8·7613	8·5263	0·4925	+7·5375
231	15 Arietis		6	1 12,50	3,296	8·7836	8·5504	0·5180	+8·2885
232	64 Ceti		6·7	2 23,10	3,161	8·7628	8·5346	0·4998	+7·8908
233	6 Trianguli	ι	5·6	2 31,62	3,453	8·8190	8·5914	0·5382	+8·5178
234	63 Ceti		6	2 57,64	3,037	8·7586	8·5329	0·4824	−7·4100
235	17 Arietis	η	6	3 17,46	3,323	8·7859	8·5612	0·5215	+8·3864
236	19 Arietis		7	3 47,13	3,245	8·7712	8·5491	0·5119	+8·1692
237	65 Ceti	ξ^1	5	3 59,51	3,165	8·7613	8·5406	0·4904	+7·9073
238	67 Ceti	F	6	8 30,22	2,978	8·7552	8·5381	0·4739	−7·8538
239	22 Arietis	θ^1	6	8 40,76	3,315	8·7761	8·5748	0·5204	+8·2912
240	Ceti		6	9 11,25*	3,080	8·7510	8·5518	0·4885	+6·9692
241	Eridani	φ	4	10 25,84	2,136	8·9630	8·7690	0·3297	−8·8613
242	9 Persei	i	5	10 33,72	4,100	8·9913	8·7979	0·6127	+8·9050
243	68 Ceti	o	Var.	10 45,76	3,021	8·7499	8·5573	0·4801	−7·5658
244	69 Ceti		6	13 13,63	3,063	8·7460	8·5636	0·4862	−6·5733
245	70 Ceti		6	2 13 32,73	+3,047	+8·7458	+8·5647	+0·4838	−7·2083

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
211	+20° 13′ 46″,90*	+17″,771	+9·3927	+9·4866	+1·2497	−9·6650		222	
212	+11 28 3,44*	17,764	9·5224	+9·2460	1·2496	9·6656		223	68 M
213	−68 29 10,44*	17,753	9·7716	−9·9159	1·2493	9·6667			132 C
214	+ 5 12 27,53*	17,735	9·5911	+8·9048	1·2488	9·6683		225	
215	+ 2 16 48,78	17,725	9·6180	+8·5464	1·2486	9·6692	271	226	
216	−21 39 12,92	17,706	9·7604	−9·5132	1·2481	9·6708	272	231	
217	−21 54 13,48	17,697	9·7619	−9·5177	1·2479	9·6716	273	232	
218	+ 1 56 24,27	17,645	9·6212	+8·4743	1·2466	9·6761	277	238	70 M
219	−62 23 45,10*	17,638	9·7938	−9·8920	1·2464	9·6766			136 C
220	+41 30 33,99	17,635	8·0000	+9·7658	1·2464	9·6769	276	236	69 M
221	+10 11 45,57*	17,618	9·5353	+9·1920	1·2460	9·6783		240	
222	+17 25 58,18*	17,597	9·4330	+9·4200	1·2454	9·6800		243	
223	− 0 41 37,31	17,593	9·6435	−8·0264	1·2454	9·6804	280	244	
224	−45 32 15,11*	17,576	9·8109	−9·7965	1·2449	9·6818		248	137 C
225	+21 50 6,59	17,484	9·3444	+9·5112	1·2427	9·6892	285	250	71 M
226	+25 1 ——*	17,483	9·2695	+9·5669	1·2426	9·6893	284		
227	+22 39 18,46	17,461	9·3263	+9·5258	1·2421	9·6910	287	253	
228	+34 10 48,10	17,381	8·8976	+9·6877	1·2401	9·6972	290	260	
229	+25 7 54,23	17,368	9·2577	+9·5659	1·2397	9·6982	291	262	
230	+ 3 25 27,02*	17,322	9·6053	+8·7128	1·2386	9·7016		266	
231	+18 41 41,25	17,304	9·3962	+9·4421	1·2382	9·7029	296	267	74 M
232	+ 7 46 12,72	17,252	9·5575	+9·0659	1·2368	9·7067	302	6	
233	+29 30 11,64	17,246	9·1038	+9·6271	1·2367	9·7072	301	5	
234	− 2 37 39,24	17,226	9·6599	−8·5955	1·2362	9·7085	304	9	
235	+20 24 32,14	17,212	9·3579	+9·4763	1·2358	9·7096	303	11	76 M
236	+14 28 46,05	17,190	9·4639	+9·3313	1·2353	9·7112	305	15	78 M
237	+ 2 [illegible] 44,64	17,180	9·5539	+9·0791	1·2350	9·7118	306	16	77 M
238	− 7 12 33,19	16,974	9·6972	−9·0264	1·2298	9·7257	321	47	
239	+19 6 39,70	16,966	9·3729	+9·4427	1·2296	9·7263	320	49	79 M
240	+ 0 56 49,27*	16,942	9·6284	+8·1452	1·2290	9·7278		52	
241	−52 18 7,60	16,883	+9·8395	−9·8238	1·2275	9·7315			154 C
242	+55 3 38,46	16,877	−9·2856	+9·8390	1·2273	9·7319	326	55	
243	− 3 45 8,90	16,868	+9·6702	−8·7410	1·2271	9·7325	329	56	
244	− 0 23 5,80	16,750	9·6415	−7·7494	1·2240	9·7397	333	69	
245	− 1 39 45,16	+16,735	+9·6532	−8·3843	+1·2236	−9·7406	335	70	

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
246	Fornacis		6	2 14 44,96*	+2,729	+8·7854	+8·6092	+0·4360	−8·4046
247	Cassiopeæ		4·5	15 10,90	4,788	9·1451	8·9707	0·6	+9·1079
248	Ceti		6·7	15 25,98*	3,185	8·7485	8·5752	0·5031	+7·9400
249	24 Arietis	ξ^1	6	15 42,74	3,197	8·7493	8·5771	0·5048	+7·9819
250	71 Ceti		6	16 23,24	3,022	8·7428	8·5734	0·4802	−7·5350
251	Arietis		6	17 39,04	3,198	8·7467	8·5825	0·5049	+7·9775
252	72 Ceti	ϱ	5	17 44,34	2,893	8·7516	8·5877	0·4613	−8·1057
253	12 Trianguli	c	6	18 13,18	3,487	8·7974	8·6354	0·5424	+8·4817
254	Hydri	δ	4	18 43,94*	1,041	9·1933	9·0334	0·0176	−9·1647
255	73 Ceti	ξ^2	5	19 7,77	3,171	8·7424	8·5841	0·5012	+7·8691
256	Eridani	$\varkappa$	4·5	20 43,20*	2,199	8·9148	8·7629	0·3422	−8·7891
257	Arietis		6·7	20 46,16*	3,419	8·7771	8·6255	0·5338	+8·3945
258	26 Arietis		6·7	21 6,87	3,335	8·7604	8·6101	0·5231	+8·2751
259	27 Arietis	ψ	6	21 29,17	3,304	8·7546	8·6058	0·5190	+8·2192
260	Fornacis		6	22 47,67*	2,732	8·7705	8·6269	0·4365	−8·3677
261	75 Ceti	u	5·6	23 31,08	3,044	8·7327	8·5921	0·4834	−7·2273
262	29 Arietis	ω	6·7	23 36,06	3,267	8·7460	8·6057	0·5142	+8·1381
263	76 Ceti	σ	5	24 1,85	2,843	8·7490	8·6104	0·4538	−8·1891
264	Arietis		6·7	24 6,93	3,325	8·7538	8·6155	0·5218	+8·2467
265	Ceti		6·7	26 4,51*	3,162	8·7320	8·6015	0·4999	+7·8008
266	77 Ceti	e^1	6	26 19,52	2,948	8·7335	8·6040	0·4695	−7·9085
267	Fornacis		6	26 24,11*	2,627	8·7866	8·6574	0·4194	−8·4720
268	Ceti		6·7	26 42,28*	3,153	8·7305	8·6025	0·4987	+7·7540
269	78 Ceti	ν	4·5	26 57,26	3,136	8·7293	8·6023	0·4968	+7·6562
270	30 Arietis		6	27 9,70	3,423	8·7664	8·6402	0·5344	+8·3740
271	Arietis		6·7	27 13,13	3,423	8·7663	8·6403	0·5344	+8·3740
272	31 Arietis	υ	6	27 22,25*	3,234	8·7363	8·6109	0·5097	+8·0436
273	Ceti		6·7	27 35,19	3,166	8·7301	8·6056	0·5006	+7·8151
274	80 Ceti	e^2	6	27 38,12	2,947	8·7317	8·6073	0·4694	−7·9051
275	81 Ceti	d^2	5·6	29 8,39	3,010	8·7258	8·6074	0·4785	−7·5838
276	32 Arietis	ν	5·6	29 10,43	3,382	8·7551	8·6368	0·5292	+8·3137
277	33 Arietis		6	30 45,65	3,472	8·7698	8·6578	0·5406	+8·4167
278	82 Ceti	δ	4	30 46,65	3,062	8·7223	8·6103	0·4860	−6·5766
279	Ceti		7	31 17,91*	3,145	8·7234	8·6135	0·4976	+7·6951
280	83 Ceti	ε	4·5	2 31 20,64	+2,885	+8·7320	+8·6222	+0·4601	−8·0706

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of				Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
			a'	*b'*	*c'*	*d'*			
246	−24° 35′ 31″,26*	+16″,677	+9·7966	−9·5394	+1·2221	−9·7440		73	160 C
247	+66 37 49,96	16,656	−9·5302	+9·8824	1·2216	9·7453	332	72	35 H
248	+ 8 56 29,51*	16,644	+9·5340	+9·1108	1·2213	9·7460		75	
249	+ 9 50 11,99	16,630	9·5224	+9·1515	1·2209	9·7468	338	76	81 M
250	− 3 33 11,16	16,597	9·6702	−8·7103	1·2200	9·7486	339	80	
251	+ 9 47 45,87*	16,535	9·5211	+9·1473	1·2184	9·7522	341	85	
252	−13 3 35,86	16,531	9·7412	−9·2704	1·2183	9·7524	343	87	
253	+28 54 24,01	16,507	9·0253	+9·6000	1·2177	9·7537	342	88	
254	−69 26 9,06*	16,481	9·8357	−9·8864	1·2170	9·7551			166 C
255	+ 7 41 36,54	16,461	9·5490	+9·0412	1·2165	9·7562	347	94	82 M
256	−48 28 16,60*	16,382	9·8567	−9·7867	1·2144	9·7605			168 C
257	+24 28 39,20*	16,379	9·1931	+9·5297	1·2143	9·7607		96	
258	+19 5 49,89	16,362	9·3444	+9·4267	1·2138	9·7616	349	98	83 M
259	+16 56 54,99	16,343	9·3909	+9·3760	1·2133	9·7626	351	101	
260	−23 18 7,63*	16,277	9·7993	−9·5068	1·2116	9·7661		107	172 C
261	− 1 47 22,89	16,240	9·6551	−8·4032	1·2106	9·7680	354	110	
262	+14 16 39,90	16,235	9·4409	+9·3005	1·2105	9·7682	352	109	
263	−15 59 34,24	16,213	9·7627	−9·3481	1·2099	9·7693	356	113	
264	+18 7 34,71	16,209	9·3598	+9·4007	1·2098	9·7695	355	112	
265	+ 6 43 41,99*	16,107	9·5575	+8·9739	1·2070	9·7746		118	
266	− 8 36 17,58	16,094	9·7143	−9·0797	1·2067	9·7752	359	121	
267	−28 58 57,23*	16,090	9·8254	−9·5899	1·2066	9·7754		122	177 C
268	+ 6 3 33,21*	16,075	9·5670	+8·9277	1·2061	9·7762		123	
269	+ 4 50 51,64	16,062	9·5809	+8·8307	1·2058	9·7768	362	125	84 M
270	+23 54 8,90*	16,051	9·1875	+9·5112	1·2055	9·7773	360	126	
271	+23 54 7,50	16,048	9·1875	+9·5111	1·2054	9·7775	361	128	
272	+11 42 24,94	16,040	9·4814	+9·2105	1·2052	9·7779	364	129	
273	+ 6 59 9,13*	16,028	9·5539	+8·9880	1·2049	9·7784		130	
274	− 8 34 24,89	16,026	9·7152	−9·0763	1·2048	9·7785	365	131	
275	− 4 8 7,71	15,947	9·6785	−8·7587	1·2027	9·7823	368	138	
276	+21 13 16,20	15,945	9·2695	+9·4593	1·2026	9·7824	367	136	85 M
277	+26 19 36,76	15,860	9·0719	+9·5452	1·2003	9·7863	370	143	
278	− 0 24 35,24	15,859	9·6415	−7·7527	1·2003	9·7864	372	144	86 M
279	+ 5 22 31,94*	15,831	9·5740	+8·8692	1·1995	9·7876		148	
280	−12 35 51,09	+15,829	9·7466	−9·2362	+1·1995	−9·7877	375	149	

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						a	*b*	*c*	*d*
				h m s	s				
281	84 Ceti		6	2 32 31,27	+3,048	+8·7198	+8·6146	+0·4839	−7·1146
282	13 Persei	θ	4	32 37,55	4,046*	8·8983	8·7935	0·6070	+8·7728
283	34 Arietis	μ	6	32 46,90	3,357	8·7444	8·6402	0·5260	+8·2632
284	Arietis		7	32 51,13	3,211	8·7256	8·6217	0·5066	+7·9572
285	Eridani		5	33 19,22*	2,278	8·8588	8·7568	0·3576	−8·6976
286	85 Ceti		6	33 20,16	3,214	8·7251	8·6231	0·5071	+7·9654
287	35 Arietis	a	4	33 29,13	3,490	8·7683	8·6669	0·5429	+8·4250
288	Eridani	ι	4·5	33 56,86*	2,356	8·8370	8·7374	0·3721	−8·6504
289	86 Ceti	γ	3	34 29,77	3,105	8·7171	8·6197	0·4920	+7·3593
290	36 Arietis		7	34 50,31	3,324	8·7257	8·6395	0·5217	+8·2026
291	37 Arietis	o	6·7	35 11,20	3,286	8·7299	8·6351	0·5167	+8·1311
292	38 Arietis		5·6	35 41,93	3,242	8·7240	8·6312	0·5109	+8·0320
293	87 Ceti	μ	4	35 45,25	3,207	8·7207	8·6281	0·5061	+7·9334
294	89 Ceti	π	4	36 1,76	2,849	8·7286	8·6371	0·4547	−8·1295
295	Hydri	ε	5	36 52,26*	0,868	9·1585	9·0703	9·9387	−9·1286
296	Hydri	ξ	5	36 58,92*	0,866	9·1585	9·0707	9·9376	−9·1287
297	1 Eridani	τ^1	5·6	37 10,11	2,772	8·7377	8·6306	0·4427	−8·2568
298	39 Arietis	b	4	37 48,20	3,530	8·7679	8·6832	0·5477	+8·4470
299	Persei		5	38 20,97*	4,292	8·9542	8·8716	0·6327	+8·8685
300	16 Trianguli		6·7	38 53,28	3,457	8·7508	8·6703	0·5387	+8·3681
301	40 Arietis		6	39 0,63	3,339	8·7305	8·6505	0·5236	+8·2104
302	42 Arietis	π	5	39 48,38	3,326	8·7273	8·6504	0·5220	+8·1871
303	16 Persei	p^1	4·5	39 53,01	3,729	8·8095	8·7329	0·5716	+8·5951
304	41 Arietis	c	3	39 59,64	3,497	8·7566	8·6804	0·5437	+8·4069
305	Fornacis	υ	5	41 50,96*	2,388	8·8094	8·7403	0·3780	−8·5998
306	Fornacis	β	5	41 58,36*	2,502	8·7820	8·7134	0·3983	−8·5196
307	43 Arietis	σ	6	42 6,43	3,291	8·7186	8·6505	0·5173	+8·1136
308	18 Persei	τ	5	42 14,63	4,182	8·9158	8·8482	0·6214	+8·8127
309	Fornacis	γ^1	6	42 19,13*	2,658	8·7481	8·6808	0·4245	−8·3783
310	Hydri	ζ	5	42 56,88*	0,874	9·1361	9·0712	9·9413	−9·1042
311	2 Eridani	τ^2	4·5	43 19,58	2,720	8·7347	8·6713	0·4346	−8·3028
312	Arietis		7	43 44,14*	3,316	8·7188	8·6570	0·5205	+8·1534
313	45 Arietis	p^2	6	46 15,65	3,350	8·7188	8·6666	0·5250	+8·2003
314	46 Arietis	p^3	6	46 51,17	3,346	8·7171	8·6672	0·5245	+8·1914
315	Arietis		6·7	2 47 8,86	+3,188	+8·7004	+8·6515	+0·5036	+7·8270

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281	− 1° 25′ 20″,02	+15″,766	+9·6522	−8·2906	+1·1977	−9·7906	378	152	
282	+48 30 12,39	15,760	−9·2430	+9·7701	1·1976	9·7909	374	150	
283	+19 16 59,44	15,752	+9·3139	+9·4142	1·1973	9·7912	377	153	87 M
284	+ 9 48 53,75*	15,747	9·5092	+9·1269	1·1972	9·7914	379	155	
285	−43 37 27,37*	15,723	9·8704	−9·7334	1·1965	9·7925		158	184 C
286	+10 0 50,49	15,722	9·5038	+9·1348	1·1965	9·7926	381	156	
287	+26 58 43,25	15,713	9·0212	+9·5510	1·1963	9·7929	380	157	
288	−40 35 9,85*	15,688	9·8663	−9·7069	1·1956	9·7940		159	185 C
289	+ 2 30 52,30	15,658	9·6096	+8·5350	1·1947	9·7953	383	161	
290	+17 2 23,67	15,640	9·3655	+9·3592	1·1942	9·7961	384	162	
291	+14 35 17,14	15,621	9·4183	+9·2929	1·1937	9·7970	385	164	88 M
292	+11 43 35,11	15,593	9·4728	+9·1990	1·1929	9·7982	386	166	
293	+ 9 23 34,80	15,590	9·5119	+9·1036	1·1928	9·7983	387	167	89 M
294	−14 34 48,49	15,574	9·7619	−9·2914	1·1924	9·7989	388	170	
295	−68 59 20,96*	15,528	9·8727	−9·8593	1·1911	9·8009			196 C
296	−68 59 48,82*	15,522	9·8733	−9·8591	1·1909	9·8012			214 C
297	−19 17 46,81	15,511	9·7917	−9·4078	1·1907	9·8016	390	175	
298	+28 32 8,79	15,476	+8·8865	+9·5669	1·1897	9·8031	389	178	
299	+55 10 58,20*	15,446	−9·4393	+9·8012	1·1888	9·8043		179	9 H
300	+24 28 25,57	15,416	+9·1139	+9·5033	1·1880	9·8055	391	181	
301	+17 34 21,06	15,409	9·3444	+9·3657	1·1878	9·8058	393	182	
302	+16 45 10,58	15,364	+9·3636	+9·3443	1·1865	9·8076	397	185	90 M
303	+37 36 48,85	15,360	−8·6812	+9·6700	1·1864	9·8078	394	183	
304	+26 33 17,24	15,354	+9·0043	+9·5346	1·1862	9·8081	395	186	
305	−38 6 56,98*	15,249	9·8189	−9·6718	1·1832	9·8122		194	203 C
306	−33 7 32,64*	15,242	9·8561	−9·6187	1·1830	9·8125		195	
307	+14 22 37,64	15,234	+9·4133	+9·2759	1·1828	9·8128	400	192	91 M
308	+52 3 31,77	15,227	−9·3909	+9·7775	1·1826	9·8131	399	190	
309	−25 15 43,86*	15,222	+9·8261	−9·5107	1·1825	9·8133		198	
	−68 19 45,86*	15,187	9·8842	−9·8477	1·1815	9·8146			221 C
46	−21 42 26,95	15,165	9·8096	−9·4469	1·1808	9·8155	404	202	
	+15 47 7,20*	15,142	9·3802	+9·3128	1·1802	9·8164		203	
	+17 38 20,89	14,996	9·3284	+9·3555	1·1760	9·8218	406	212	92 M
	+17 20 24,30	14,961	9·3345	+9·3473	1·1750	9·8231	408	213	93 M
	+ 7 41 35,60	+14,944	+9·5328	+8·9992	+1·1745	−9·8237	410	215	

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
316	3 Eridani	η	3	[illegible] 7,78	+2,917	+8·7009	+8·6558	+0·4649	−7·922[illegible]
317	47 Arietis		6	[illegible] 1,08	3,394	8·7213	8·6771	0·5307	+8·2550
318	Arietis		7	49 8,7[illegible]	3,412	8·7227	8·6815	0·5330	+8·2756
319	48 Arietis	ε	5	49 30,16	3,408	8·7213	8·6814	0·5324	+8·2687
320	4 Eridani		5·6	49 50,25	2,656	8·7330	8·6944	0·4242	−8·3515
321	6 Eridani		5·6	50 32,09	2,660	8·7309	8·6950	0·4248	−8·3452
322	91 Ceti	λ	5·6	50 36,16	3,199	8·6950	8·6593	0·5050	+7·8505
323	5 Eridani	Z^1	6	51 6,53	3,018	8·6903	8·6565	0·4797	−7·4297
324	Horologii	β	5	51 16,54*	1,222	9·0445	9·0114	0·0870	−8·9975
325	Eridani	θ^1	4·5	51 49,31*	2,277	8·8105	8·7795	0·3573	−8·6274
326	49 Arietis		6	51 54,05	3,508	8·7338	8·7030	0·5451	+8·3722
327	Fornacis	ζ	6	52 6,92*	2,624	8·7340	8·7041	0·4190	−8·3752
328	51 Arietis		7	52 21,46*	3,512	8·7335	8·7045	0·5456	+8·3744
329	23 Persei	γ	4	52 31,73	4,273	8·9060	8·8776	0·6307	+8·8074
330	8 Eridani	ρ^1	5·6	52 48,77	2,934	8·6912	8·6640	0·4675	−7·8526
331	Persei		5	52 49,56*	4,426	8·9393	8·9121	0·6460	+8·8581
332	92 Ceti	α	2·3	53 23,90	3,123	8·6863	8·6613	0·4945	+7·4617
333	Fornacis	ε	6	54 17,23*	2,563	8·7411	8·7194	0·4087	−8·4231
334	25 Persei	ρ	4	54 18,19	3,792	8·7884	8·7668	0·5789	+8·5795
335	9 Eridani	ρ^2	5	54 21,73	2,933	8·6885	8·6671	0·4673	−7·8510
336	11 Eridani	E	4	54 53,85	2,651	8·7231	8·7038	0·4234	−8·3374
337	Fornacis		6	54 54,96*	2,663	8·7209	8·7017	0·4254	−8·3243
338	52 Arietis	h	6·7	55 28,63	3,492	8·7231	8·7059	0·5430	+8·3423
339	10 Eridani	ρ^3	5	55 55,56	2,933	8·6855	8·6701	0·4673	−7·8434
340	Persei		4	56 46,35*	4,138	8·8621	8·8499	0·6168	+8·7396
341	26 Persei	β	2·3	57 7,71	3,859	8·7964	8·7855	0·5865	+8·6071
342	53 Arietis		6	57 51,89	3,358	8·6973	8·6892	0·5261	+8·1686
343	27 Persei	$\varkappa$	5	58 3,57	3,979	8·8216	8·8143	0·5998	+8·6650
344	54 Arietis		6·7	58 43,10	3,376	8·6979	8·6931	0·5284	+8·1911
345	Arietis		7	2 59 35,76*	3,413	8·7015	8·6999	0·5332	+8·[illegible]
346	Arietis		6·7	3 0 18,23*	3,535	8·7201	8·7212	0·5483	+[illegible]28
347	Fornacis	o	6	0 34,71*	2,554	8·7283	8·7305	0·4072	−[illegible]
348	57 Arietis	δ	4	1 55,23	3,398	8·6943	8·7015	0·5312	+8·[illegible]
349	Hydri	θ^1	5	1 57,38*	0,034	9·1930	9·2005	8·5353	−9·17[illegible]
350	Ceti		6·7	3 2 2,33*	+3,278	+8·6797	+8·6875	+0·5155	+8·011[illegible]

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
316	− 9° 34′ 40″,45	+14″,887	+9·7316	−9·0920	+1·1728	−9·8258	413	219	
317	+19 58 59,49	14,874	9·2529	+9·4042	1·1724	9·8262	412	218	
318	+20 56 ——.*	14,827	9·2175	+9·4220	1·1711	9·8279	414		
319	+20 39 21,37	14,806	9·2253	+9·4160	1·1704	9·8287	415	224	94 M
320	−24 32 50,23	14,786	9·8293	−9·4864	1·1699	9·8293	418	225	
321	−24 17 36,57	14,745	9·8293	−9·4810	1·1687	9·8308	421	229	
322	+ 8 13 29,79	14,741	9·5224	+9·0221	1·1685	9·8309	419	228	95 M
323	− 3 8 45,46	14,711	9·6721	−8·6051	1·1677	9·8320	423	231	
324	−63 48 29,79*	14,701	9·9042	−9·8184	1·1674	9·8323			229 C
325	−40 59 23,38*	14,669	9·8893	−9·6813	1·1664	9·8334		238	225 C
326	+25 47 2,31	14,664	8·9731	+9·5028	1·1663	9·8336	424	233	
327	−25 57 36,76*	14,651	9·8382	−9·5051	1·1659	9·8340		241	
328	+25 56 24,59	14,637	+8·9590	+9·5044	1·1654	9·8345	425	235	
329	+52 49 59,11	14,627	−9·4518	+9·7646	1·1651	9·8349	422	234	
330	− 8 20 13,31	14,610	+9·7226	−9·0240	1·1646	9·8354	427	242	
331	+56 1 47,08*	14,609	−9·5119	+9·7814	1·1646	9·8355		236	
332	+ 3 25 5,05	14,575	+9·5933	+8·6370	1·1636	9·8366	428	244	96 M
333	−28 44 36,68*	14,521	+9·8525	−9·5421	1·1620	9·8384		248	
334	+38 10 31,36	14,520	−8·9294	+9·6511	1·1620	9·8384	429	246	
335	− 8 21 33,61	14,517	+9·7235	−9·0224	1·1619	9·8385	432	247	
336	−24 17 39,02	14,484	9·8325	−9·4732	1·1609	9·8396	434	249	
337	−23 39 15,55*	14,483	9·8293	−9·4623	1·1609	9·8396			233 C
338	+24 35 16,82	14,449	9·0294	+9·4771	1·1598	9·8407	433	250	
339	− 8 16 13,71	14,422	+9·7235	−9·0150	1·1590	9·8416	435	252	
340	+48 57 23,03*	14,370	−9·3820	+9·7330	1·1575	9·8433		253	18 H
341	+40 17 40,46	14,349	−9·0828	+9·6656	1·1568	9·8440	436	254	97 M
342	+17 13 5,09	14,304	+9·3181	+9·3248	1·1554	9·8454	439	257	
343	+44 12 21,66	14,292	−9·2504	+9·6965	1·1551	9·8458	438	256	
344	+18 8 14,66	14,251	+9·2856	+9·3451	1·1539	9·8470	440	259	
345	+20 6 18,93*	14,197	9·2175	+9·3865	1·1522	9·8487		261	98 M
346	+26 15 ——*	14,153	8·8808	+9·4946	1·1509	9·8501	444		
347	−28 29 17,19*	14,136	9·8567	−9·5269	1·1503	9·8506		267	
348	+19 4 41,96	14,053	9·2480	+9·3602	1·1478	9·8531	446	2	100 M
349	−72 33 47,70*	14,051	9·9085	−9·8253	1·1477	9·8532			240 C
350	+12 23 51,93*	+14,046	+9·4330	+9·1774	+1·1475	−9·8533		4	

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
351	56 Arietis	i	6	3 2 6,84	+3,546	+8·7180	+8·7260	+0·5497	+8·3692
352	94 Ceti	k^1	5·6	4 6,01	3,037	8·6657	8·6812	0·4825	−7·1717
353	12 Eridani		3·4	4 51,47	2,561*	8·7250	8·7434	0·4085	−8·4195
354	58 Arietis	ξ	5	5 8,16	3,427	8·6916	8·7111	0·5350	+8·2341
355	13 Eridani	ζ	4	7 34,67	2,906	8·6645	8·6932	0·4632	−7·8801
356	14 Eridani		6	8 21,25*	2,899	8·6633	8·6950	0·4623	−7·8938
357	95 Ceti	k^2	5·6	9 41,09	3,041	8·6544	8·6912	0·4831	−7·0880
358	59 Arietis		6·7	9 47,13	3,558	8·7021	8·7392	0·5512	+8·3508
359	Tauri		5·6	10 3,51*	3,601	8·7093	8·7474	0·5565	+8·3869
360	96 Ceti	$\varkappa^1$	6	10 26,90	3,115	8·6532	8·6928	0·4935	+7·3327
361	15 Eridani		5·6	10 51,33	2,646	8·6882	8·7294	0·4225	−8·2825
362	61 Arietis	τ^1	6	11 25,54	3,439	8·6791	8·7225	0·5364	+8·2240
363	16 Eridani		3·4	11 57,19	2,659	8·6835	8·7289	0·4248	−8·2642
364	62 Arietis		6	12 0,01	3,574	8·6995	8·7451	0·5531	+8·3564
365	33 Persei	α	2·3	12 13,33	4,221	8·8342	8·8807	0·6255	+8·7136
366	97 Ceti	$\varkappa^2$	6	12 13,73	3,121	8·6496	8·6960	0·4943	+7·3767
367	63 Arietis	τ^2	7	12 58,37	3,433	8·6747	8·7240	0·5357	+8·2114
368	Eridani	e	4	13 0,32*	2,114	8·7884	8·8378	0·3252	−8·6281
369	64 Arietis	g	5·6	14 17,01	3,517	8·6842	8·7385	0·5461	+8·2955
370	65 Arietis		6	14 38,00	3,437	8·6714	8·7270	0·5362	+8·2095
371	Camelopardi		4	15 22,00*	4,765	8·9347	8·9931	0·6781	+8·8693
372	1 Tauri	o	4·5	15 40,23	3,217	8·6463	8·7059	0·5075	+7·8122
373	Camelopardi		4·5	16 23,83*	4,702	8·9192	8·9815	0·6723	+8·8489
374	Tauri		7	17 21,60*	3,400	8·6600	8·7261	0·5315	+8·1536
375	2 Tauri	ξ	4	17 57,69	3,231	8·6421	8·7104	0·5094	+7·8428
376	66 Arietis		6·7	18 31,16	3,484	8·6688	8·7393	0·5420	+8·2463
377	35 Persei	σ	5	18 38,24	4,178	8·8045	8·8765	0·6210	+8·6715
378	4 Tauri	s	6	21 7,38	3,263	8·6371	8·7176	0·5136	+7·9078
379	5 Tauri	f	5·6	21 29,59	3,293	8·6387	8·7207	0·5176	+7·9689
380	17 Eridani		4·5	22 11,25	2,966	8·6291	8·7137	0·4721	−7·6234
381	6 Tauri	t	6·7	23 24,25	3,228	8·6293	8·7186	0·5090	+7·8136
382	Eridani	z	5	24 10,15*	2,134	8·7509	8·8432	0·3293	−8·5760
383	7 Tauri		6	24 22,54	3,529	8·6608	8·7539	0·5476	+8·2682
384	37 Persei	ψ	5	24 26,17	4,208	8·7930	8·8864	0·6240	+8·6615
385	18 Eridani	ε	4	3 24 55,45	+2,884	+8·6273	+8·7225	+0·4599	−7·8687

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
351	+26° 36′ 37″,79	+14″,041	+8·8325	+9·4966	+1·1474	−9·8535	447	3	
352	− 1 50 14,31	13,916	9·6599	−8·3475	1·1435	9·8571	450	8	
353	−29 39 37,67	14,689	9·8657	−9·5346	1·1670	9·8585	454	13	
354	+20 24 33,19	13,851	9·1903	+9·3820	1·1415	9·8590	451	11	101 M
355	− 9 27 20,56	13,696	9·7388	−9·0502	1·1366	9·8634	457	22	
356	− 9 47 19,19*	13,646	9·7427	−9·0635	1·1350	9·8648		26	
357	− 1 33 18,81	13,561	9·6571	−8·2640	1·1323	9·8671	461	31	
358	+26 27 3,56	13,554	8·7853	+9·4789	1·1321	9·8673	460	29	
359	+28 25 35,37*	13,537	8·4914	+9·5072	1·1315	9·8677		32	
360	+ 2 44 25,04	13,512	9·6010	+8·5083	1·1307	9·8684	463	36	
361	−23 8 11,71	13,485	9·8388	−9·4222	1·1299	9·8691	466	39	
362	+20 31 43,39	13,448	9·1644	+9·3716	1·1287	9·8701	465	40	103 M
363	−22 22 54,41	13,414	9·8351	−9·4063	1·1276	9·8710	469	43	
364	+26 59 28,91	13,411	+8·6990	+9·4824	1·1275	9·8711	467	42	
365	+49 14 56,88	13,397	−9·4472	+9·7045	1·1270	9·8715	464	41	102 M
366	+ 3 3 29,68	13,396	+9·5944	+8·5522	1·1270	9·8715	468	44	
367	+20 7 39,16	13,348	9·1790	+9·3602	1·1254	9·8727	470	45	104 M
368	−43 43 52,57*	13,346	9·9191	−9·6630	1·1253	9·8728		47	253 C
369	+24 7 2,82	13,262	8·9542	+9·4320	1·1226	9·8749	472	49	
370	+20 11 43,39	13,239	+9·1703	+9·3580	1·1219	9·8755	474	50	105 M
371	+59 20 18,10*	13,191	−9·6304	+9·7529	1·1203	9·8767		51	2 H
372	+ 8 25 31,64	13,171	+9·5038	+8·9836	1·1196	9·8772	477	55	106 M
373	+58 16 48,04*	13,123	−9·6180	+9·7458	1·1180	9·8784		54	3 H
374	+18 9 18,79*	13,059	+9·2455	+9·3075	1·1159	9·8800		60	
375	+ 9 8 5,49	13,019	9·4886	+9·0134	1·1146	9·8810	481	63	107 M
376	+22 12 45,19	12,982	+9·0569	+9·3889	1·1133	9·8819	482	65	
377	+47 24 0,13	12,974	−9·4265	+9·6781	1·1131	9·8821	479	64	
378	+10 44 55,31	12,808	+9·4518	+9·0762	1·1075	9·8860	485	75	110 M
379	+12 20 54,93	12,783	9·4133	+9·1348	1·1066	9·8866	486	77	111 M
380	− 5 39 48,45	12,736	9·7059	−8·7973	1·1050	9·8877	487	80	
381	+ 8 47 36,27	12,654	9·4914	+8·9846	1·1022	9·8896	489	83	112 M
382	−41 56 42,13*	12,602	9·9258	−9·6235	1·1004	9·8908		88	
383	+23 53 16,36	12,588	+8·9138	+9·4054	1·0999	9·8911	491	86	
384	+47 37 4,31	12,584	−9·4502	+9·6663	1·0998	9·8912	488	84	
385	−10 2 20,65	+12,550	+9·7505	−9·0381	+1·0987	−9·8919	493	89	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
386	19 Eridani t^2	4	3 26 16,69	+2,641	+8·6509	+8·7513	+0·4217	−8·2283
387	9 Tauri	6	26 59,07*	3,506	8·6505	8·7538	0·5448	+8·2360
388	10 Tauri E	5	28 12,29	3,065	8·6128	8·7207	0·4865	−6·0084
389	20 Eridani F	6	28 32,63	2,725	8·6338	8·7431	0·4353	−8·1245
390	Tauri	7	29 49,12*	3,371	8·6259	8·7402	0·5278	+8·0657
391	21 Eridani	6	30 37,44	2,953	8·6093	8·7268	0·4703	−7·6411
392	11 Tauri	6	30 37,66	3,558	8·6487	8·7662	0·5512	+8·2710
393	39 Persei δ	3·4	30 51,33	4,217	8·7744	8·8927	0·6250	+8·6402
394	Eridani y	5	30 59,91*	2,149	8·7270	8·8460	0·3322	−8·5425
395	12 Tauri	6	31 0,27	3,114	8·6063	8·7252	0·4934	+7·2458
396	Fornacis τ	6	31 43,64*	2,489	8·6602	8·7820	0·3960	−8·3389
397	22 Eridani	5·6	32 13,42	2,960	8·6050	8·7288	0·4713	−7·6070
398	13 Tauri F^1	6·7	32 31,13	3,439	8·6268	8·7517	0·5365	+8·1427
399	41 Persei ν	4·5	33 39,42	4,035	8·7283	8·8578	0·6059	+8·5541
400	Persei	4	33 40,67*	3,732	8·6695	8·7990	0·5719	+8·3906
401	14 Tauri F^2	7	33 57,70	3,440	8·6230	8·7537	0·5366	+8·1384
402	16 (Pleiadum g)	5·6	34 42,40	3,542	8·6349	8·7685	0·5492	+8·2399
403	17 (Pleiadum b)	4·5	34 47,51	3,538	8·6341	8·7680	0·5487	+8·2361
404	18 (Pleiadum m)	7	35 1,49	3,555	8·6359	8·7708	0·5508	+8·2503
405	19 (Pleiadum e)	5	35 5,78	3,546	8·6345	8·7696	0·5498	+8·2426
406	23 Eridani δ	3·4	35 6,71	2,871	8·6025	8·7378	0·4581	−7·8567
407	Eridani	6	35 26,76*	2,858	8·6027	8·7392	0·4560	−7·8844
408	Fornacis δ	5	35 29,61*	2,381	8·6683	8·8051	0·3767	−8·3984
409	20 (Pleiadum c)	5	35 43,16	3,545	8·6326	8·7702	0·5496	+8·2390
410	23 (Pleiadum d)	5	36 14,99	3,537	8·6298	8·7695	0·5486	+8·2290
411	Eridani h	5	36 31,48*	2,227	8·6944	8·8352	0·3476	−8·4823
412	29 Tauri u^1	6	36 38,58	3,173	8·5935	8·7348	0·5014	+7·5759
413	(Pleiadum)	7	37 23,08*	3,546	8·6279	8·7722	0·5497	+8·2331
414	25 Tauri η	3	37 23,19	3,542	8·6273	8·7716	0·5492	+8·2293
415	26 Eridani π	5	38 6,52	2,824	8·5982	8·7454	0·4509	−7·9383
416	Tauri	7	38 17,67*	3,528	8·6227	8·7706	0·5475	+8·2127
417	30 Tauri e	6	38 56,56	3,273	8·5928	8·7434	0·5149	+7·8581
418	27 (Pleiadum f)	5	39 3,63	3,543	8·6227	8·7737	0·5494	+8·2239
419	28 (Pleiadum h)	5·6	39 4,56	3,545	8·6230	8·7740	0·5496	+8·2256
420	Fornacis σ	6	3 39 31,74*	+2,440	+8·6457	+8·7986	+0·3874	−8·3430

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
386	−22° 12′ 27″,98	+12″,458	+9·8439	−9·3709	+1·0954	−9·8940	495	95	
387	+22 38 35,70*	12,409	8·9956	+9·3772	1·0937	9·8950	494		
388	− 0 8 32,83	12,325	9·6395	−7·1845	1·0908	9·8968	497	100	
389	−18 1 58,41	12,302	9·8176	−9·2788	1·0900	9·8973	498	101	
390	+15 58 40,69*	12,214	9·2989	+9·2247	1·0868	9·8992		103	
391	− 6 10 32,59	12,158	9·7135	−8·8146	1·0849	9·9004	502	109	
392	+24 46 22,94	12,158	+8·7853	+9·4051	1·0848	9·9004	500	107	
393	+47 14 6,33	12,142	−9·4609	+9·6481	1·0843	9·9007	499	106	
394	−40 50 11,90*	12,132	+9·9289	−9·5975	1·0839	9·9009		113	273 C
395	+ 2 29 57,33	12,131	9·6010	+8·4215	1·0839	9·9009	503	110	
396	−28 30 11,24*	12,081	9·8820	−9·4589	1·0821	9·9020		114	274 C
397	− 5 45 54,76	12,046	9·7093	−8·7809	1·0809	9·9027	505	116	
398	+19 8 59,77	12,026	+9·1703	+9·2941	1·0801	9·9031	504	118	
399	+42 2 2,43	11,946	−9·3345	+9·6011	1·0772	9·9047	506	122	
400	+31 44 33,62*	11,944	−8·7243	+9·4963	1·0772	9·9047		123	31 H
401	+19 7 19,25	11,924	+9·1673	+9·2898	1·0764	9·9051	507	125	
402	+23 44 53,84	11,872	8·8633	+9·3776	1·0745	9·9062	508	129	115 M
403	+23 34 25,01	11,866	8·8808	+9·3743	1·0743	9·9063	509	130	116 M
404	+24 17 57,89*	11,850	8·8062	+9·3861	1·0737	9·9066	510	131	117 M
405	+23 55 41,86	11,845	8·8451	+9·3797	1·0735	9·9067	511	132	118 M
406	−10 20 35,68	11,243*	9·7574	−9·0257	1·0509	9·9067	515	134	
407	−11 1 45,17*	11,820	9·7642	−9·0524	1·0726	9·9072		138	
408	−32 29 7,72*	11,817	9·9031	−9·5006	1·0725	9·9073		142	279 C
409	+23 49 49,70	11,801	8·8451	+9·3764	1·0719	9·9076	512	136	119 M
410	+23 24 53,96	11,763	8·8808	+9·3678	1·0705	9·9083	516	144	122 M
411	−37 51 15,29*	11,744	9·9243	−9·5558	1·0698	9·9087		149	282 C
412	+ 5 30 40,35	11,735	9·5490	+8·[illegible]90	1·0695	9·9088	519	146	
413	+23 45 24,39*	11,683	8·8451	+9·37[illegible]7	1·0675	9·9099		151	
414	+23 34 22,14	11,682	8·8633	+9·3675	1·0675	9·9099	521	152	124 M
415	−12 38 24,15	11,631	9·7789	−9·1038	1·0656	9·9108	526	154	
416	+22 53 34,44*	11,618	8·9191	+9·3531	1·0651	9·9111	522		
417	+10 36 51,97	11,572	9·4425	+9·0267	1·0634	9·9120	529	159	128 M
418	+23 31 36,85	11,563	8·8573	+9·3623	1·0631	9·9121	527	157	125 M
419	+23 36 37,41	11,562	8·8513	+9·3637	1·0630	9·9121	528	158	126 M
420	−29 52 17,58*	+11,530	+9·8938	−9·4571	+1·0618	−9·9127		169	285 C

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
421	27 Eridani m^1	5	3 39 32,14	+2,587	+8·6222	+8·7751	+0·4128	−8·2274
422	Tauri	7	39 56,05*	3,504	8·6147	8·7692	0·5446	+8·1830
423	(Pleiadum)	6·7	40 6,18*	3,580	8·6252	8·7803	0·5539	+8·2521
424	28 Eridani m^2	5	40 21,82	2,571	8·6222	8·7784	0·4101	−8·2383
425	Reticuli β	4	42 5,22*	0,668	8·9565	9·1197	9·8250	−8·9150
426	Eridani	5	42 19,31*	2,202	8·6805	8·8446	0·3429	−8·4712
427	31 Tauri u^2	6	42 56,15	3,184	8·5768	8·7435	0·5030	+7·5974
428	Eridani g	5	43 6,01*	2,244	8·6700	8·8374	0·3510	−8·4467
429	Tauri	7	43 26,60*	3,402	8·5920	8·7607	0·5318	+8·0533
430	44 Persei ζ	3·4	43 27,59	3,742	8·6416	8·8104	0·5731	+8·3581
431	30 Eridani	6	44 17,79	2,954	8·5729	8·7451	0·4704	−7·5830
432	32 Eridani	5	45 45,65	3,001	8·5673	8·7455	0·4772	−7·3483
433	45 Persei ε	3·4	46 28,05	3,988	8·6771	8·8583	0·6008	+8·4807
434	33 Eridani l	5·6	46 28,59	2,545	8·6076	8·7888	0·4057	−8·2355
435	32 Tauri	6	46 49,73*	3,519	8·5962	8·7788	0·5464	+8·1694
436	33 Tauri	6·7	46 59,32	3,535	8·5979	8·7812	0·5484	+8·1839
437	Eridani i	5	47 10,47*	2,278	8·6503	8·8344	0·3576	−8·4115
438	46 Persei ξ	5	47 56,65	+3,861	8·6484	8·8356	+0·5867	+8·4101
439	Hydri γ	3	49 57,64*	−1,068	9·1345	9·3301	−0·0284	−9·1189
440	34 Eridani γ^1	2·3	50 5,96	+2,787	8·5669	8·7631	+0·4451	−7·9505
441	Tauri	6·7	51 1,40*	3,429	8·5721	8·7722	0·5351	+8·0553
442	34 Tauri	7	51 12,01	3,473	8·5768	8·7776	0·5407	+8·1049
443	35 Tauri λ	4	51 15,74	3,309	8·5600	8·7611	0·5196	+7·8780
444	36 Eridani k	5	52 40,58	2,551	8·5870	8·7941	0·4066	−8·2048
445	35 Eridani	5	52 55,52	3,028	8·5456	8·7537	0·4811	−7·0953
446	38 Tauri ν	5	54 7,24	3,178	8·5436	8·7568	0·5022	+7·5262
447	36 Tauri	6·7	54 12,19	3,567	8·5794	8·7929	0·5523	+8·1824
448	37 Tauri A^1	5	54 39,08	3,520	8·5716	8·7871	0·5466	+8·1378
449	39 Tauri A^2	6·7	55 16,95	3,519	8·5695	8·7876	0·5465	+8·1344
450	Reticuli δ	5	56 4,02*	0,925	8·8622	9·0837	9·9660	−8·8076
451	41 Tauri	6	56 11,65	3,655	8·5858	8·8078	0·5629	+8·2448
452	48 Persei c	5	56 20,56	4,308	8·7029	8·9256	0·6343	+8·5688
453	42 Tauri ψ	5·6	56 30,54	3,692	8·5904	8·8138	0·5672	+8·2696
454	Tauri	6	58 15,62*	3,418	8·5477	8·7786	0·5337	+8·0106
455	Reticuli γ	5	3 58 25,64*	+0,841	+8·8656	+9·0973	+9·9249	[illegible]140

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
421	−23° 45′ 25″,40	+10″,939*	+9·8615	−9·3650	+1·0390	−9·9127	530	168	284 C
422	+21 43 14,92*	11,501	9·0000	+9·3271	1·0607	9·9133		166	
423	+25 3 37,60*	11,489	8·6628	+9·3852	1·0603	9·9135		170	
424	−24 24 20,08	11,470	9·8657	−9·3738	1·0596	9·9138	532	173	286 C
425	−65 20 42,90*	11,346	9·9685	−9·7114	1·0548	9·9161			292 C
426	−38 8 35,91*	11,329	9·9294	−9·5430	1·0542	9·9164		183	290 C
427	+ 6 1 5,42	11,285	9·5378	+8·7711	1·0525	9·9172	535	184	
428	−36 43 7,57*	11,273	9·9253	−9·5267	1·0520	9·9174		189	291 C
429	+16 48 52,31*	11,248	+9·2455	+9·2104	1·0511	9·9179		187	129 M
430	+31 22 14,73	11,247	−8·7782	+9·4656	1·0510	9·9179	534	185	
431	− 5 52 25,89	11,186	+9·7135	−8·7568	1·0487	9·9190	538	191	
432	− 3 27 46,53	11,080	+9·6839	−8·3236	1·0445	9·9208	540	195	
433	+39 30 38,41	11,028	−9·2923	+9·5442	1·0425	9·9217	539	196	
434	−25 7 14,03	11,027	+9·8733	−9·3684	1·0425	9·9217	543	198	294 C
435	+21 58 56,00*	11,002	8·9494	+9·3127	1·0415	9·9221		197	130 M
436	+22 40 30,27*	10,990	8·8921	+9·3251	1·0410	9·9223	541	199	
437	−35 14 21,43*	10,976	+9·9227	−9·4997	1·0405	9·9226		202	295 C
438	+35 17 39,72	10,920	−9·1139	+9·4980	1·0382	9·9235	542	201	
439	−74 45 33,44*	10,772	+9·9675	−9·7148	1·0323	9·9260			309 C
440	−13 59 49,90	10,762	9·7959	−9·1135	1·0319	9·9261	545	210	
441	+17 42 29,72*	10,693	9·1931	+9·2103	1·0291	9·9273		215	
442	+19 42 58,34*	10,680	9·0934	+9·2547	1·0286	9·9275	547	217	
443	+12 0 18,84	10,676	9·3962	+9·0445	1·0284	9·9275	548	218	131 M
444	−24 30 8,44	10,571	9·8733	−9·3399	1·0241	9·9292	551	221	295 C
445	− 2 1 56,31	10,552	9·6665	−8·2711	1·0233	9·9295	550	222	
446	+ 5 30 44,22	10,463	9·5441	+8·7002	1·0197	9·9309	553	228	
447	+23 37 52,36	10,457	8·7482	+9·3204	1·0194	9·9310	552	227	
448	+21 36 35,11	10,424	8·9494	+9·2822	1·0180	9·9315	554	232	132 M
449	+21 32 37,79	10,376	8·9542	+9·2790	1·0160	9·9322	556	236	133 M
450	−61 52 39,02*	10,318	+9·9827	−9·6571	1·0136	9·9331			313 C
451	+27 8 4,89	10,308	−7·6990	+9·3703	1·0132	9·9333	558	243	
452	+47 14 55,81	10,297	−9·5250	+9·5766	1·0127	9·9335	557	240	
453	+28 32 8,54	10,285	−8·4624	+9·3894	1·0122	9·9336	559	245	134 M
454	+16 52 43,53*	10,153	+9·2175	+9·1676	1·0066	9·9356		249	
455	−62 38 4,10*	+10,140	+9·9845	−9·6525	+1·0060	−9·9358			317 C

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
456	Eridani	A	6	3 58 36,69*	+2,452	+8·5820	+8·8145	+0·3895	−8·2553
457	43 Tauri	ω^1	6	3 59 16,35	3,469	8·5500	8·7854	0·5402	+8·0660
458	Tauri		6·7	3 59 32,16*	3,334	8·5356	8·7721	0·5229	+7·8857
459	44 Tauri	P	6·7	4 0 29,22	3,634	8·5677	8·8084	0·5604	+8·2100
460	37 Eridani		5·6	2 5,05	2,918	8·5196	8·7673	0·4650	−7·6279
461	45 Tauri		6	2 17,48	3,171	8·5170	8·7656	0·5012	+7·4636
462	51 Persei	μ	4·5	2 26,62	4,360	8·6890	8·9383	0·6394	+8·5598
463	Tauri		7	2 47,03*	3,538	8·5464	8·7972	0·5488	+8·1194
464	38 Eridani	o	4·5	3 33,76	2,919	8·5145	8·7688	0·4652	−7·6177
465	46 Tauri		6	4 23,93	3,217	8·5116	8·7697	0·5075	+7·6142
466	47 Tauri		5·6	4 41,92	3,250	8·5123	8·7716	0·5119	+7·6982
467	Persei	b	5	5 29,10*	4,459	8·6951	8·9580	0·6493	+8·5785
468	48 Tauri		6	6 7,38	3,382	8·5171	8·7829	0·5292	+7·9293
469	49 Tauri	μ	5	6 18,39	3,243	8·5063	8·7729	0·5109	+7·6739
470	39 Eridani	A	5	6 18,58	2,846	8·5091	8·7757	0·4543	−7·7772
471	Tauri	ω^2	5·6	7 18,23	3,500	8·5254	8·7966	0·5441	+8·0627
472	Eridani	d	5	7 26,67	2,757*	8·5017	8·7734	0·4404	−7·6410
473	51 Tauri		7	8 19,93	3,525	8·5246	8·8005	0·5471	+8·0821
474	Horologii	α	5	8 22,02*	1,978	8·6281	8·9041	0·2962	−8·4595
475	53 Tauri		6·7	9 25,00	3,516	8·5195	8·8003	0·5460	+8·0683
476	56 Tauri		6·7	9 33,23	3,531	8·5208	8·8023	0·5479	+8·0821
477	52 Tauri	φ	6	9 54,78	3,670	8·5385	8·8216	0·5647	+8·1946
478	54 Tauri	γ	3·4	10 7,45	3,390	8·5033	8·7874	0·5302	+7·9222
479	57 Tauri	h^1	6	10 23,89	3,355	8·4993	8·7846	0·5257	+7·8712
480	58 Tauri	h^2	6	10 57,66	3,379	8·4992	8·7872	0·5288	+7·9031
481	Tauri		6·7	11 19,44	3,352	8·4955	8·7852	0·5253	+7·8622
482	41 Eridani	X	3·4	11 27,11	2,259	8·5655	8·8558	0·3539	−8·3155
483	Doradus	γ	4	11 34,00*	1,550	8·6925	8·9833	0·1903	−8·5886
484	59 Tauri	χ	6	12 14,55	3,629	8·5236	8·8175	0·5598	+8·1531
485	Reticuli	α	3·4	12 15,02*	0,741	8·8214	9·1154	9·8696	−8·7709
486	Tauri		7	12 23,08*	3,511	8·5077	8·8023	0·5455	+8·0502
487	60 Tauri	h^3	7	12 28,65	3,358	8·4917	8·7867	0·5261	+7·8652
488	61 Tauri	δ^1	4	13 8,01	3,436	8·4964	8·7946	0·5361	+7·9658
489	Reticuli	ε	5	13 33,78*	1,023	8·7724	9·0726	0·0097	−8·7086
490	63 Tauri		6	4 13 40,11	+3,419	+8·4927	+8·7934	+0·5339	+7·9428

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456	−28° 7′ 23″,10*	+10″,126	+9·8976	−9·3769	+1·0055	−9·9360		251	315 C
457	+19 9 18,51	10,076	9·1004	+9·2174	1·0033	9·9367	562	252	135 M
458	+12 56 30,20*	10,056	9·3598	+9·0507	1·0024	9·9370		254	
459	+26 1 44,45	9,984	8·0000	+9·3397	0·9993	9·9381	563	256	136 M
460	− 7 22 26,00	9,863	9·7340	−8·8004	0·9940	9·9398	567	3	
461	+ 5 4 26,09	9,847	+9·5502	+8·6380	0·9933	9·9400	566	4	
462	+47 58 1,94	9,836	−9·5515	+9·5617	0·9928	9·9402	564	1	
463	+21 58 9,83*	9,810	+8·8808	+9·2627	0·9917	9·9405		6	
464	− 7 17 12,32	9,750	9·7340	−8·7903	0·9890	9·9414	568	11	
465	+ 7 16 32,34	9,686	9·5052	+8·7868	0·9862	9·9422	570	14	
466	+ 8 49 35,64	9,663	+9·4698	+8·8691	0·9851	9·9426	571	17	
467	+49 52 4,67*	9,603	−9·5922	+9·5639	0·9824	9·9434		23	
468	+14 58 13,96	9,554	+9·2833	+9·0904	0·9802	9·9440	572	21	
469	+ 8 27 36,78	9,540	9·4771	+8·8453	0·9795	9·9442	573	23	
470	−10 41 1,13	9,540	9·7701	−8·9457	0·9795	9·9442	574	25	
471	+20 9 13,85	9,463	9·0128	+9·2113	0·9760	9·9452	575	27	137 M
472	− 7 55 18,40	5,852*	9·7419	−8·8129	0·7673	9·9454	578	29	
473	+21 9 24,65	9,384	8·9345	+9·2278	0·9724	9·9463	576	32	
474	−42 42 56,90*	9,381	9·9628	−9·5018	0·9723	9·9463		34	
475	+20 43 26,00	9,300	8·9685	+9·2154	0·9685	9·9474	580	36	
476	+21 21 19,77	9,289	+8·9085	+9·2273	0·9680	9·9475	581	37	
477	+26 56 10,95	9,261	−8·1761	+9·3208	0·9667	9·9478	582	38	138 M
478	+15 12 36,59	9,245	+9·2695	+9·0829	0·9659	9·9481	583	39	139 M
479	+13 37 13,73	9,224	9·3284	+9·0349	0·9649	9·9483	585	41	140 M
480	+14 40 55,79	9,180	9·2900	+9·0648	0·9628	9·9489	586	43	141 M
481	+13 27 7,27	9,152	9·3324	+9·0262	0·9615	9·9492	587	45	142 M
482	−34 13 4,92*	9,142	9·9345	−9·4091	0·9610	9·9494	590	50	325 C
483	−51 55 28,10*	9,133	9·9863	−9·5547	0·9606	9·9495		47	327 C
484	+25 13 15,16	9,080	8·1139	+9·2857	0·9581	9·9501	588	51	143 M
485	−62 53 46,46*	9,080	9·9965	−9·6056	0·9581	9·9501			329 C
486	+20 24 43,54*	9,069	8·9823	+9·1982	0·9576	9·9503		53	
487	+13 40 10,61	9,062	9·3243	+9·0288	0·9572	9·9503	589	54	144 M
488	+17 8 17,95	9,011	9·1818	+9·1222	0·9548	9·9510	594	57	145 M
489	−59 42 48,06*	8,977	9·9961	−9·5875	0·9531	9·9514			331 C
490	+16 22 29,44	+ 8,969	+9·2148	+9·1009	+0·9527	−9·9515	596	62	146 M

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
491	62 Tauri	7	4 13 45,51	+3,598	+8·5133	+8·8144	+0·5560	+8·1208
492	64 Tauri δ^2	4·5	14 18,24	3,435	8·4918	8·7955	0·5359	+7·9588
493	Eridani o^2	6	14 28,01*	2,481	8·5185	8·8230	0·3946	−8·1624
494	66 Tauri r	5·6	14 35,19	3,259	8·4766	8·7817	0·5131	+7·6738
495	42 Eridani ξ	6	15 12,90	2,981	8·4699	8·7780	0·4744	−7·3289
496	65 Tauri $\varkappa^1$	5·6	15 14,41	3,550	8·5012	8·8094	0·5502	+8·0729
497	Tauri	6·7	15 17,52*	3,790	8·5356	8·8441	0·5786	+8·2481
498	67 Tauri $\varkappa^2$	6·7	15 17,91	3,548	8·5007	8·8092	0·5499	+8·0706
499	68 Tauri δ^3	5	15 39,20	3,447	8·4878	8·7979	0·5375	+7·9667
500	Reticuli θ	5	15 45,60*	0,643	8·8197	9·1304	9·8080	−8·7721
501	70 Tauri	7	15 55,22	3,402	8·4822	8·7937	0·5317	+7·9104
502	69 Tauri υ^1	5	16 8,14	3,564	8·4994	8·8118	0·5519	+8·0807
503	71 Tauri	5·6	16 39,23	3,395	8·4787	8·7937	0·5309	+7·8981
504	73 Tauri π	5	17 0,44	3,375	8·4755	8·7922	0·5283	+7·8689
505	72 Tauri υ^2	6	17 7,79	3,569	8·4960	8·8133	0·5526	+8·0808
506	43 Eridani	4·5	17 39,06*	2,242	8·5428	8·8627	0·3507	−8·2951
507	74 Tauri ε	4	18 41,67	3,479	8·4789	8·8038	0·5415	+7·9871
508	75 Tauri	6	18 43,86	3,414	8·4721	8·7972	0·5332	+7·9117
509	76 Tauri	7	18 45,33	3,377	8·4687	8·7939	0·5285	+7·8630
510	77 Tauri θ^1	5	18 51,87	3,405	8·4707	8·7964	0·5321	+7·8997
511	78 Tauri θ^2	5·6	18 57,86	3,403	8·4701	8·7963	0·5318	+7·8967
512	79 Tauri b	6	19 18,91	3,340	8·4633	8·7913	0·5237	+7·8042
513	44 Eridani k^1	5·6	19 44,91	3,089	8·4509	8·7810	0·4898	+6·6923
514	Reticuli η	5	20 4,26*	0,608	8·8045	9·1362	9·7836	−8·7574
515	80 Tauri	6	20 27,21	3,399	8·4636	8·7972	0·5313	+7·8839
516	Tauri	5·6	20 50,07*	3,412	8·4632	8·7987	0·5330	+7·8988
517	81 Tauri	5·6	20 57,38	3,400	8·4617	8·7977	0·5315	+7·8835
518	83 Tauri	6	21 3,30	3,356	8·4574	8·7940	0·5258	+7·8208
519	84 Tauri	7	21 28,50	3,387	8·4583	8·7970	0·5299	+7·8637
520	85 Tauri	6	22 9,22	3,405	8·4570	8·7991	0·5321	+7·8834
521	45 Eridani k^2	6	23 10,80	3,059	8·4367	8·7840	0·4856	−6·2972
522	Tauri	7	24 0,03*	3,734	8·4897	8·8411	0·5721	+8·1698
523	86 Tauri ϱ	5	24 12,28	3,383	8·4464	8·7988	0·5294	+7·8444
524	46 Eridani	6	25 37,64	2,915	8·4296	8·7893	0·4647	−7·5217
525	Cœli Scalp. δ	5	4 25 37,67*	+1,830	+8·5792	+8·9390	+0·2624	−8·4311

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
491	+23° 53′ 51″,66	+8″,962	+8·5441	+9·2580	+0·9524	−9·9516	595	63	
492	+17 2 38,46	8,919	9·1847	+9·1154	0·9503	9·9521	597	64	147 M
493	−26 7 58,33*	8,906	9·8949	−9·2916	0·9497	9·9522		68	328 C
494	+ 9 3 31,26	8,897	9·4594	+8·8444	0·9492	9·9523	598	66	
495	− 4 8 39,00	8,848	9·6972	−8·5038	0·9468	9·9529	602	72	
496	+21 53 51,03	8,846	+8·8325	+9·2164	0·9467	9·9530	599	70	
497	+31 2 53,20*	8,842	−8·9590	+9·3570	0·9465	9·9530		69	
498	+21 48 14,77	8,841	+8·8451	+9·2144	0·9465	9·9530	600	71	
499	+17 31 56,24	8,813	9·1553	+9·1221	0·9451	9·9533	601	73	148 M
500	−63 40 5,14*	8,805	9·9991	−9·5952	0·9447	9·9534			336 C
501	+15 32 47,67	8,792	9·2480	+9·0703	0·9441	9·9536	603	74	
502	+22 25 14,11	8,775	8·7634	+9·2227	0·9433	9·9538	604	75	149 M
503	+15 13 32,51	8,735	9·2625	+9·0586	0·9412	9·9543	605	78	150 M
504	+14 19 22,22	8,707	9·2967	+9·0313	0·9399	9·9546	608	79	152 M
505	+22 36 20,32	8,697	8·7404	+9·2222	0·9394	9·9547	606	80	151 M
506	−34 24 59,47*	8,656	9·9385	−9·3876	0·9373	9·9552		85	335 C
507	+18 47 47,15	8,574	9·0792	+9·1393	0·9332	9·9561	609	87	154 M
508	+15 58 20,96	8,571	9·2253	+9·0707	0·9330	9·9561	610	88	
509	+14 21 18,37	8,569	9·2923	+9·0253	0·9329	9·9562	611	89	155 M
510	+15 34 44,31	8,560	9·2430	+9·0596	0·9325	9·9563	612	90	156 M
511	+15 29 18,69	8,552	9·2455	+9·0567	0·9321	9·9564	613	91	157 M
512	+12 39 49,42	8,525	9·3522	+8·9696	0·9307	9·9567	614	93	
513	+ 0 59 55,63	8,490	9·6212	+7·8683	0·9289	9·9571	615	94	
514	−63 47 26,18*	8,465	0·0022	−9·5785	0·9276	9·9573			340 C
515	+15 15 37,82	8,434	9·2553	+9·0444	0·9261	9·9577	617	97	159 M
516	+15 49 4,28	8,404	9·2330	+9·0580	0·9245	9·9580	619	99	
517	+15 18 57,18	8,394	9·2529	+9·0439	0·9240	9·9581	620	100	161 M
518	+13 20 54,11	8,387	9·3263	+8·9850	0·9236	9·9582	621	103	
519	+14 43 54,41	8,353	9·2765	+9·0252	0·9219	9·9586	622	105	
520	+15 28 51,00	8,299	9·2430	+9·0435	0·9190	9·9592	623	108	
521	− 0 24 55,74	8,218	+9·6444	−7·4733	0·9147	9·9600	624	110	
522	+28 35 54,01*	8,152	−8·7482	+9·2893	0·9113	9·9607		111	
523	+14 28 54,14	8,136	+9·2810	+9·0065	0·9104	9·9609	627	114	164 M
524	− 7 6 6,46	8,022	9·7356	−8·6944	0·9043	9·9621	631	121	
525	−45 19 26,23*	+8,022	+9·9809	−9·4542	+0·9043	−9·9621		129	348 C

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
526	Eridani	6	4 25 57,90*	+2,913	+8·4282	+8·7897	+0·4644	−7·5261
527	47 Eridani	5	26 0,47	2,883	8·4295	8·7912	0·4598	−7·6039
528	87 Tauri α	1	26 10,09	3,423	8·4414	8·8040	0·5344	+7·8860
529	88 Tauri d	5	26 18,91	3,280	8·4296	8·7930	0·5159	+7·6608
530	48 Eridani ν^2	4	27 49,51	2,988	8·4175	8·7887	0·4754	−7·2280
531	89 Tauri	7	28 25,87	3,414	8·4303	8·8048	0·5332	+7·8623
532	49 Eridani k^3	6	28 28,05	3,082	8·4137	8·7883	0·4888	+6·4678
533	90 Tauri c^1	5	28 39,68	3,333	8·4227	8·7983	0·5229	+7·7463
534	52 Eridani v^2	3	28 56,76	2,330	8·4781	8·8552	0·3674	−8·1889
535	51 Eridani c	5·6	29 2,85	3,007	8·4116	8·7893	0·4782	−7·1034
536	91 Tauri σ^1	5·6	29 27,16	3,409	8·4252	8·8051	0·5326	+7·8510
537	92 Tauri σ^2	5·6	29 33,72	3,412	8·4250	8·8054	0·5330	+7·8539
538	Doradus α	3	30 19,48*	1,278	8·6510	9·0355	0·1064	−8·5665
539	53 Eridani	4	30 23,67	2,745	8·4193	8·8042	0·4386	−7·8220
540	93 Tauri c^2	5	30 35,66	3,327	8·4134	8·7994	0·5221	+7·7261
541	Tauri	6·7	30 41,67*	3,733	8·4587	8·8453	0·5720	+8·1343
542	Eridani	6	31 30,62	2,743	8·4142	8·8051	0·4383	−7·8185
543	Tauri τ	5	32 2,91	3,584	8·4320	8·8259	0·5544	+8·0171
544	95 Tauri	7	32 56,28	3,614	8·4315	8·8303	0·5580	+8·0367
545	54 Eridani	4	33 0,37	2,616	8·4198	8·8189	0·4177	−7·9539
546	Eridani P	6	33 2,77*	2,494	8·4346	8·8340	0·3969	−8·0576
547	Tauri	6	35 0,44*	3,306	8·3909	8·8011	0·5193	+7·6645
548	Cœli Scalp. α	4·5	35 5,66*	1,939	8·5129	8·9236	0·2876	−8·3400
549	Cœli Scalp. β	5	36 2,87*	2,111	8·4784	8·8945	0·3245	−8·2627
550	Tauri	6	36 21,34*	3,484	8·3993	8·8172	0·5420	+7·8990
551	57 Eridani μ	5	37 0,07	2,990	8·3741	8·7956	0·4757	−7·1686
552	Camelopardi	4·5	37 12,26*	5,881	8·7636	9·1863	0·7694	+8·7245
553	Eridani	6	39 38,54*	2,390	8·4155	8·8523	0·3783	−8·0928
554	58 Eridani	6	39 58,21	2,678	8·3781	8·8169	0·4278	−7·8502
555	96 Tauri K	6	40 0,42	3,419	8·3742	8·8132	0·5338	+7·8039
556	1 Orionis q	4	40 37,29	3,251*	8·3577	8·8003	0·5120	+7·4218
557	59 Eridani	6	40 54,13	2,692	8·3718	8·8161	0·4301	−7·8286
558	2 Orionis π^1	5	41 21,07	3,258	8·3558	8·8027	0·5130	+7·5306
559	97 Tauri i	5·6	41 25,71	3,490	8·3736	8·8210	0·5428	+7·8761
560	3 Orionis r	4	4 42 9,75	+3,185	+8·3484	+8·8002	+0·5031	+7·3146

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			a′	*b′*	*c′*	*d′*			
526	− 7° 11′ 47″,83*	+7″,995	+9·7372	−8·6987	+0·9028	−9·9624	633		
527	− 8 35 34,45	7,991	9·7528	−8·7750	0·9026	9·9624	634	126	
528	+16 9 40,31	7,979	9·2095	+9·0445	0·9019	9·9625	630	125	
529	+ 9 48 16,01	7,967	9·4346	+8·8305	0·9013	9·9627	632	128	
530	− 3 42 22,30	7,845	9·6920	−8·4031	0·8946	9·9639	637	133	
531	+15 41 9,22	7,797	9·2279	+9·0219	0·8919	9·9644	638	135	168 M
532	+ 0 38 56,09	7,794	9·6274	+7·6438	0·8917	9·9644	640	137	
533	+12 9 45,65	7,778	9·3617	+8·9126	0·8909	9·9646	639	138	
534	−30 54 56,89	7,755	9·9274	−9·2984	0·8896	9·9648	645	144	352 C
535	− 2 49 8,32	7,747	9·6794	−8·2790	0·8891	9·9649	642	140	
536	+15 27 28,42	7,714	9·2355	+9·0111	0·8873	9·9652	641	143	169 M
537	+15 34 26,76	7,705	9·2304	+9·0138	0·8868	9·9653	643	145	170 M
538	−55 23 49,04*	7,644	0·0030	−9·4968	0·8833	9·9659			356 C
539	−14 38 27,48	7,638	9·8156	−8·9837	0·8830	9·9659	647	150	
540	+11 51 24,02	7,622	+9·3711	+8·8928	0·8821	9·9661	646	149	
541	+28 16 40,19*	7,614	−8·7482	+9·2552	0·8816	9·9662		148	
542	−14 41 37,24	7,548	+9·8162	−8·9801	0·8778	9·9668	650	157	
543	+22 37 24,86	7,504	8·6435	+9·1584	0·8753	9·9672	648	159	171 M
544	+23 45 34,62	7,432	8·3617	+9·1744	0·8711	9·9679	652	162	
545	−20 0 9,34	7,426	9·8609	−9·1029	0·8708	9·9679	653	166	
546	−24 49 10,47*	7,423	9·8943	−9·1916	0·8706	9·9680		167	358 C
547	+10 49 19,94*	7,264	9·3997	+8·8328	0·8612	9·9694		169	
548	−42 11 31,11*	7,257	9·9768	−9·3859	0·8607	9·9695		175	360 C
549	−37 28 57,83*	7,179	9·9600	−9·3384	0·8560	9·9702		181	361 C
550	+18 25 14,45*	7,154	9·0682	+9·0522	0·8545	9·9704		179	172 M
551	− 3 34 18,66	7,101	+9·6911	−8·3439	0·8513	9·9709	657	183	
552	+66 2 25,14*	7,084	−9·8319	+9·5092	0·8503	9·9710		176	17 H
553	−28 23 58,48*	6,884	+9·9186	−9·2132	0·8379	9·9727		197	366 C
554	−17 15 2,41	6,857	9·8407	−9·0063	0·8362	9·9730	664	198	
555	+15 36 0,75*	6,854	9·2175	+8·9636	0·8360	9·9730	660	195	
556	+ 6 39 25,01	6,804	9·5079	+8·5950	0·8328	9·9734	663	201	
557	−16 38 10,92	6,781	9·8357	−8·9861	0·8313	9·9736	668	206	
558	+ 8 36 5,11	6,744	9·4594	+8·7018	0·8289	9·9739	667	209	
559	+18 32 38,44	6,737	9·0453	+9·0290	0·8285	9·9740	666	208	174 M
560	+ 5 18 29,08	+6,677	+9·5378	+8·4889	+0·8246	−9·9745	670	213	

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						a	*b*	*c*	*d*
				h m s	s				
561	Aurigæ		7	4 42 9,97*	+3,727	+8·3990	+8·8509	+0·5713	+8·0649
562	60 Eridani		6	42 31,50	2,694	8·3629	8·8169	0·4304	—7·8167
563	4 Orionis	o^1	5	42 54,86	3,382	8·3555	8·8119	0·5291	+7·7380
564	7 Camelop.	b	5	43 41,05	4,773	8·5636	9·0247	0·6788	+8·4686
565	5 Orionis		6	44 30,78	3,117	8·3340	8·8002	0·4938	+6·9227
566	61 Eridani	ω	5	44 32,62	2,941	8·3357	8·8021	0·4685	—7·3360
567	6 Orionis	g	6	45 20,86	3,317	8·3373	8·8087	0·5208	+7·6234
568	8 Orionis	z	4·5	45 23,31	3,116	8·3291	8·8008	0·4936	+6·9046
569	7 Orionis	π^2	5·6	45 31,93	3,288	8·3345	8·8070	0·5170	+7·5687
570	3 Aurigæ	ι	4	45 52,84	3,887	8·4019	8·8767	0·5896	+8·1367
571	9 Orionis	o^2	5	46 48,73	3,367	8·3325	8·8131	0·5272	+7·6923
572	Tauri		6·7	47 30,09	3,625	8·3550	8·8400	0·5593	+7·9587
573	Tauri	I	6·7	47 33,75	3,453	8·3356	8·8210	0·5382	+7·7985
574	4 Aurigæ	ω	5	47 43,54	4,047	8·4167	8·9032	0·6071	+8·2024
575	98 Tauri	k	6	47 44,81	3,654	8·3573	8·8439	0·5628	+7·9797
576	62 Eridani	b	6	48 1,84	2,947	8·3157	8·8041	0·4694	—7·2930
577	10 Camelop.	d^1	4·5	48 19,92	5,286	8·6154	9·1057	0·7232	+8·5537
578	Tauri		7	49 21,07*	3,392	8·3196	8·8166	0·5305	+7·7115
579	10 Orionis	s	5·6	49 44,43	3,100	8·3037	8·8033	0·4914	+6·7059
580	7 Aurigæ	ε	4	49 46,76	4,280	8·4433	8·9431	0·6314	+8·2816
581	101 Tauri		7	49 59,11	3,425	8·3186	8·8197	0·5347	+7·7497
582	8 Aurigæ	ζ	4	50 36,50	4,170	8·4194	8·9247	0·6201	+8·2348
583	63 Eridani		5	51 48,09	2,831	8·2984	8·8117	0·4519	—7·5598
584	64 Eridani		6	52 1,38	2,778	8·3006	8·8154	0·4437	—7·6459
585	102 Tauri	ι	4·5	52 56,16	3,568	8·3148	8·8359	0·5524	+7·8758
586	65 Eridani	ψ	5	53 11,81	2,901	8·2860	8·8089	0·4626	—7·3976
587	Tauri		7	54 13,98*	3,561	8·3057	8·8357	0·5515	+7·8606
588	10 Aurigæ	η	4	54 36,11	4,182	8·3956	8·9282	0·6214	+8·2125
589	11 Orionis	y^1	5	54 51,33	3,416	8·2871	8·8215	0·5335	+7·7046
590	Leporis		5·6	55 14,90*	2,428	8·3175	8·8546	0·3852	—7·9673
591	1 Leporis		6	55 34,52	2,522	8·3032	8·8426	0·4017	—7·8958
592	104 Tauri	m	5	57 24,69	3,542*	8·2776	8·8303	0·5493	+7·7771
593	106 Tauri	l^1	5·6	57 44,78	3,541	8·2801	8·8352	0·5492	+7·8180
594	Tauri		6	57 45,38	3,642	8·2918	8·8471	0·5613	+7·9017
595	105 Tauri		6	4 57 46,32	+3,574	+8·2836	+8·8389	+0·5532	+7·8471

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
561	+27° 36′ 19″,32*	+6″,677	−8·7160	+9·1885	+0·8246	−9·9745		211	
562	−16 31 4,72	6,647	+9·8351	−8·9745	0·8226	9·9747	673	215	
563	+13 57 36,33	6,615	+9·2856	+8·9010	0·8205	9·9750	672	216	175 M
564	+53 28 6,68	6,551	−9·6998	+9·4194	0·8163	9·9755	669	217	
565	+ 2 13 22,13	6,483	+9·5988	+8·0985	0·8118	9·9760	675	226	
566	− 5 44 32,78	6,480	9·7218	−8·5099	0·8116	9·9760	676	227	
567	+11 8 27,99	6,414	9·3856	+8·7912	0·8071	9·9765	678	229	
568	+ 2 9 22,11	6,410	9·5999	+8·0804	0·8069	9·9766	680	232	
569	+ 9 52 20,81	6,398	+9·4249	+8·7383	0·8061	9·9767	679	234	
570	+32 53 20,49	6,369	−9·1790	+9·2370	0·8041	9·9769	677	235	
571	+13 14 22,09	6,292	+9·3118	+8·8567	0·7988	9·9775	682	240	
572	+23 40 31,12*	6,235	+8·1761	+9·0966	0·7948	9·9779	684	243	179 M
573	+16 52 46,47*	6,230	+9·1430	+8·9555	0·7945	9·9779	686	246	180 M
574	+37 37 28,87	6,216	−9·3729	+9·2773	0·7935	9·9780	683	245	
575	+24 46 46,37	6,215	−7·6021	+9·1138	0·7934	9·9781	685	247	
576	− 5 26 46,85	6,191	+9·7177	−8·4671	0·7918	9·9782	689	250	
577	+60 10 53,50	6,166	−9·7853	+9·4264	0·7900	9·9784	681	244	
578	+14 16 32,96*	6,081	+9·2695	+8·8740	0·7840	9·9790		257	181 M
579	+ 1 26 47,08	6,049	+9·6128	+7·8818	0·7817	9·9793	695	259	
580	+43 33 43,56	6,045	−9·5353	+9·3178	0·7814	9·9793	690	256	
581	+15 39 15,58	6,028	+9·2068	+8·9093	0·7802	9·9794	694	261	182 M
582	+40 49 4,60	5,976	−9·4713	+9·2898	0·7764	9·9798	693	262	
583	−10 31 6,11	5,877	+9·7796	−8·7285	0·7691	9·9805	697	271	
584	−12 47 35,75	5,858	9·8028	−8·8110	0·7677	9·9806	699	272	
585	+21 20 22,50	5,782	8·7482	+9·0211	0·7620	9·9811	698	274	183 M
586	− 7 25 45,04	5,760	9·7435	−8·5700	0·7604	9·9813	701	280	
587	+21 1 53,44*	5,673	+8·7853	+9·0068	0·7538	9·9819		282	184 M
588	+40 59 41,18	5,642	−9·4786	+9·2664	0·7514	9·9821	700	283	
589	+15 9 37,28	5,621	+9·2253	+8·8653	0·7498	9·9822	702	286	185 M
590	−26 31 13,83*	5,588	9·9122	−9·0951	0·7472	9·9824		289	381 C
591	−23 2 42,14	5,560	9·8893	−9·0358	0·7451	9·9826	704	290	
592	+18 24 35,24	5,406	9·0334	+8·9303	0·7329	9·9836	705	293	187 M
593	+20 11 11,20	5,377	8·8751	+8·9665	0·7306	9·9838	708	296	188 M
594	+24 1 56,11*	5,377	7·6021	+9·0384	0·7305	9·9838	706	295	
595	+21 28 20,75	+5,375	+8·7076	+8·9920	+0·7304	−9·9838	707	297	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
596	Tauri	7	4 57 54,71*	+3,754	+8·3056	+8·8620	+0·5745	+7·9778
597	2 Leporis ε	4	58 15,34	2,532	8·2838	8·8427	0·4034	—7·8685
598	Cœli Scalp. γ^1	5	58 17,44*	2,142	8·3393	8·8985	0·3308	—8·1056
599	66 Eridani	6	58 21,51	2,958	8·2499	8·8096	0·4710	—7·1805
600	Leporis	6	58 21,95*	2,429	8·2961	8·8558	0·3854	—7·9439
601	14 Orionis *i*	6	58 37,90	3,255	8·2510	8·8127	0·5126	+7·4089
602	107 Tauri l^2	7	58 48,75	3,528	8·2712	8·8343	0·5475	+7·7975
603	67 Eridani β	3	59 29,68	2,948	8·2423	8·8105	0·4695	—7·2089
604	15 Orionis y^2	5	59 58,37	3,423	8·2529	8·8247	0·5344	+7·6764
605	16 Orionis *h*	6	4 59 58,60	3,286	8·2432	8·8150	0·5167	+7·4655
606	68 Eridani	6	5 0 18,20	2,962	8·2362	8·8105	0·4716	—7·1481
607	69 Eridani λ	4	1 0,68	2,864	8·2350	8·8147	0·4569	—7·4283
608	11 Aurigæ μ	5	1 48,16	4,088	8·3290	8·9148	0·6116	+8·1210
609	Orionis y^3	6·7	1 55,71*	3,435	8·2398	8·8266	0·5359	+7·6756
610	Doradus ζ	5	2 37,67*	1,021	8·4900	9·0823	0·0089	—8·4170
611	13 Aurigæ α	1	4 8,31	4,402	8·3633	8·9677	0·6437	+8·2189
612	14 Aurigæ *a*	5	4 20,99	3,894	8·2788	8·8849	0·5904	+8·0088
613	3 Leporis ι	4·5	4 21,92	2,791	8·2145	8·8207	0·4457	—7·5352
614	17 Orionis ρ^1	5	4 24,20	3,128	8·2050	8·8115	0·4953	+6·8704
615	108 Tauri	7	5 14,34	3,595	8·2311	8·8445	0·5557	+7·8063
616	5 Leporis μ	5	5 17,57	2,686	8·2157	8·8295	0·4290	—7·6668
617	Orionis	4	5 22,81*	2,878	8·2016	8·8161	0·4590	—7·3635
618	4 Leporis κ	5	5 22,83	2,765	8·2085	8·8230	0·4416	—7·5654
619	19 Orionis β	1	6 22,13	2,876	8·1939	8·8166	0·4588	—7·3587
620	18 Orionis	6	6 37,52*	3,324	8·1954	8·8203	0·5217	+7·4816
621	15 Aurigæ λ	5	7 10,85	4,157	8·2980	8·9276	0·6188	+8·1056
622	Columbæ	6	8 35,30*	2,400	8·2218	8·8635	0·3803	—7·8809
623	109 Tauri *n*	5·6	9 3,30	3,592	8·1998	8·8457	0·5554	+7·7718
624	Tauri	7	9 11,62*	3,541	8·1930	8·8400	0·5491	+7·7259
625	20 Orionis τ	4	9 21,40	2,907	8·1680	8·8165	0·4635	—7·2560
626	Leporis	6	10 ——*	2,750	8·1732	8·8260	0·4393	—7·5479
627	Tauri	7	10 16,82*	3,527	8·1822	8·8390	0·5475	+7·7035
628	21 Orionis	6	10 19,36	3,123	8·1569	8·8140	0·4946	+6·7812
629	Aurigæ	6·7	10 24,15*	3,803	8·2156	8·8735	0·5801	+7·9065
630	Columbæ o	5	5 11 21,02*	+2,151	+8·2345	+8·9010	+0·3327	—7·9938

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
596	+28° 2′ 28″,29*	+5″,364	−8·8451	+9·0997	+0·7295	−9·9839		298	
597	−22 36 13,00	5,335	+9·8871	−9·0099	0·7271	9·9840	713	303	
598	−35 43 11,89*	5,331	9·9614	−9·1912	0·7269	9·9841		308	385 C
599	− 4 53 20,66	5,326	9·7110	−8·3550	0·7265	9·9841	712	302	
600	−26 23 11,29*	5,325	9·9122	−9·0722	0·7263	9·9841		307	384 C
601	+ 8 16 12,98	5,303	9·4624	+8·5805	0·7245	9·9842	711	304	
602	+19 37 53,40	5,288	8·9294	+8·9476	0·7233	9·9843	710	305	
603	− 5 18 44,42	5,230	9·7168	−8·3831	0·7185	9·9847	715	312	
604	+15 22 27,01	5,190	9·2095	+8·8366	0·7151	9·9849	714	313	189 M
605	+ 9 36 15,71	5,189	9·4265	+8·6355	0·7151	9·9849	716	314	
606	− 4 40 58,36	5,162	9·7093	−8·3227	0·7128	9·9851	717	316	
607	− 8 58 42,05	5,102	+9·7634	−8·5991	0·7077	9·9855	720	323	
608	+38 16 19,96	5,035	−9·4133	+9·1920	0·7020	9·9858	719	324	
609	+15 49 42,12*	5,024	+9·1875	+8·8349	0·7011	9·9859		1	
610	−57 41 43,11*	4,965	+0·0216	−9·3209	0·6959	9·9862			392 C
611	+45 48 52,30	4,837	−9·5955	+9·2382	0·6846	9·9870	722	6	190 M
612	+32 28 56,20	4,819	−9·1903	+9·1110	0·6830	9·9871	723	9	
613	−12 4 43,21	4,818	+9·7973	−8·7016	0·6828	9·9871	727	11	
614	+ 2 39 9,28	4,815	9·5899	+8·0460	0·6826	9·9871	725	10	
615	+22 4 56,17	4,744	8·5682	+8·9493	0·6761	9·9875	726	13	191 M
616	−16 24 43,98	4,739	9·8395	−8·8248	0·6757	9·9875	732	16	
617	− 8 21 ——*	4,732	9·7559	−8·5350	0·6750	9·9875	729		
618	−13 8 55,00	4,732	9·8089	−8·7300	0·6750	9·9875	730	17	
619	− 8 24 14,69	4,647	9·7566	−8·5301	0·6672	9·9880	736	18	192 M
620	+11 8 36,84	4,626	+9·3766	+8·6494	0·6651	9·9881	734	19	
621	+39 56 18,64	4,578	−9·4654	+9·1663	0·6607	9·9884	731	22	
622	−27 8 19,70*	4,459	+9·9196	−9·0063	0·6492	9·9890		35	397 C
623	+21 54 48,41	4,419	8·5911	+8·9153	0·6453	9·9892	741	34	193 M
624	+19 56 54,48*	4,407	8·8751	+8·8751	0·6441	9·9892		37	194 M
625	− 7 2 4,90	4,393	9·7404	−8·4288	0·6428	9·9893	742	40	
626	−13 42 24,49*	4,352	9·8149	−8·7114	0·6387	9·9895	743		
627	+19 23 45,19*	4,314	8·9294	+8·8542	0·6349	9·9897		43	
628	+ 2 24 48,16	4,310	+9·5944	+7·9569	0·6345	9·9897	744	45	
629	+29 23 20,55*	4,304	−9·0043	+9·0227	0·6338	9·9897		42	
630	−35 3 44,93*	+4,223	+9·9624	−9·0829	+0·6256	−9·9901		51	403 C

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
631	6 Leporis	λ	4·5	5 11 44,38	+2,758	+8·1560	+8·8261	+0·4405	−7·5197
632	7 Leporis	ν	5·6	12 5,71	2,778	8·1513	8·8248	0·4438	−7·4865
633	Columbæ		6	12 36,76*	2,386	8·1886	8·8668	0·3776	−7·8537
634	22 Aurigæ		7	12 36,92	3,786	8·1935	8·8718	0·5782	+7·8758
635	22 Orionis	*o*	5·6	13 4,63	3,055	8·1321	8·8148	0·4851	−6·1183
636	Aurigæ		7	13 41,21*	3,856	8·1937	8·8822	0·5862	+7·9062
637	Aurigæ		7	13 41,57*	3,854	8·1932	8·8818	0·5859	+7·9048
638	110 Tauri		7	13 48,56	3,457	8·1437	8·8334	0·5386	+7·5978
639	23 Orionis	*m*	5	13 54,08	3,145	8·1252	8·8158	0·4976	+6·8950
640	111 Tauri		6	14 29,83	3,474	8·1388	8·8352	0·5408	+7·6101
641	Eridani		6	14 47,59*	2,459	8·1586	8·8579	0·3907	−7·7836
642	112 Tauri	β	2	15 32,97	3,779	8·1648	8·8716	0·5773	+7·8428
643	8 Leporis	ξ	6	15 43,52	2,739	8·1204	8·8290	0·4376	−7·5069
644	29 Orionis	*e*	5·6	15 45,54	2,884	8·1111	8·8200	0·4601	−7·2530
645	27 Orionis	*p*	5·6	15 50,46	3,044	8·1061	8·8159	0·4834	−6·3736
646	25 Orionis	ψ^1	5·6	15 55,06	3,107	8·1055	8·8160	0·4923	+6·5736
647	28 Orionis	η	4·5	15 55,84	3,009	8·1056	8·8163	0·4785	−6·7557
648	24 Orionis	γ	2	16 1,00	3,210	8·1069	8·8184	0·5065	+7·1395
649	113 Tauri		6	16 16,10*	3,458	8·1202	8·8343	0·5388	+7·5746
650	24 Aurigæ	φ	5	16 23,79	3,964	8·1837	8·8991	0·5981	+7·9348
651	115 Tauri		5·6	17 15,17	3,490	8·1134	8·8376	0·5428	+7·5989
652	114 Tauri	*o*	5	17 25,59	3,593	8·1225	8·8486	0·5554	+7·6921
653	30 Orionis	ψ^2	5	17 55,81	3,136	8·0858	8·8171	0·4963	+6·7961
654	116 Tauri		6	17 59,47	3,438	8·1012	8·8331	0·5363	+7·5342
655	117 Tauri		6	18 9,55*	3,472	8·1025	8·8362	0·5406	+7·5707
656	Tauri		7	18 21,42*	3,452	8·0987	8·8345	0·5381	+7·5468
657	118 Tauri		7	18 48,91	3,681	8·1189	8·8596	0·5660	+7·7449
658	Leporis		6	19 8,50*	2,787	8·0824	8·8266	0·4452	−7·4020
659	9 Leporis	β	4	20 57,83	2,565	8·0826	8·8471	0·4091	−7·6350
660	31 Orionis	ι	5	21 5,35	3,040	8·0518	8·8177	0·4828	−6·3845
661	25 Aurigæ	χ	5	21 31,96	3,893	8·1171	8·8897	0·5903	+7·8420
662	32 Orionis	A	5	21 41,11	3,202	8·0473	8·8200	0·5054	+7·0528
663	119 Tauri		5·6	22 14,63	3,508	8·0617	8·8409	0·5451	+7·5623
664	33 Orionis	*n*	6	22 19,25	3,141	8·0385	8·8187	0·4970	+6·7792
665	34 Orionis	δ	2	5 23 19,43	+3,058	+8·0263	+8·8183	+0·4854	−5·9038

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	$-d'$	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
631	−13° 21′ 29″,43	+4″,189	+9·8116	−8·6839	+0·6221	−9·9903	748	52	
632	−12 29 45,34	4,159	9·8035	−8·6522	0·6190	9·9904	749	54	
633	−27 32 55,02*	4,115	+9·9232	−8·9775	0·6143	9·9906		59	404 C
634	+28 45 58,06	4,114	−8·9590	+8·9947	0·6143	9·9907	746	55	198 M
635	− 0 33 18,20	4,075	+9·6464	−7·2943	0·6101	9·9908	751	60	
636	+31 3 24,86*	4,023	−9·1239	+9·0151	0·6045	9·9911		62	
637	+30 58 32,75*	4,022	−9·1206	+9·0140	0·6045	9·9911		63	
638	+16 31 52,11	4,012	+9·1367	+8·7556	0·6034	9·9911	752	64	
639	+ 3 22 25,31	4,004	9·5740	+8·0703	0·6025	9·9912	753	65	
640	+17 13 3,34	3,953	9·0969	+8·7663	0·5970	9·9914	754	66	
641	−24 56 34,28*	3,928	+9·9074	−8·9172	0·5942	9·9915		70	406 C
642	+28 27 17,96	3,863	−8·9345	+8·9630	0·5869	9·9918	756	72	199 M
643	−14 5 33,27	3,848	+9·8195	−8·6697	0·5852	9·9918	766	77	
644	− 7 58 13,38	3,845	9·7528	−8·4249	0·5849	9·9919	764	75	
645	− 1 3 38,69	3,838	9·6551	−7·5496	0·5841	9·9919	762	76	
646	+ 1 41 1,94	3,831	9·6075	+7·7495	0·5834	9·9919	763	78	
647	− 2 33 37,61	3,830	9·6794	−7·9313	0·5832	9·9919	765	81	
648	+ 6 11 17,10	3,823	9·5119	+8·3130	0·5824	9·9920	761	80	200 M
649	+16 32 27,58*	3,801	+9·1335	+8·7324	0·5799	9·9920	760		
650	+34 19 14,63	3,790	−9·2923	+9·0279	0·5787	9·9921	758	79	
651	+17 48 27,67	3,717	+9·0492	+8·7537	0·5702	9·9924	767	86	201 M
652	+21 47 4,72	3,702	8·5798	+8·8360	0·5684	9·9925	768	88	202 M
653	+ 2 56 29,29	3,658	9·5832	+7·9716	0·5633	9·9926	773	91	
654	+15 43 26,45	3,653	9·1818	+8·6937	0·5627	9·9927	771	90	
655	+17 5 26,21*	3,639	9·1004	+8·7272	0·5610	9·9927		92	
656	+16 18 ——*	3,622	+9·1492	+8·7051	0·5589	9·9928	774		
657	+25 0 13,72	3,582	−8·3617	+8·8782	0·5542	9·9929	775	98	
658	−12 2 59,57*	3,554	+9·7987	−8·5684	0·5507	9·9931		102	
659	−20 54 0,82	3,397	+9·8791	−8·7815	0·5311	9·9937	781	113	204 M
660	− 1 13 57,70	3,387	+9·6580	−7·5605	0·5298	9·9937	779	112	
661	+32 3 24,36	3,337	−9·1903	+8·9463	0·5233	9·9939	776	114	203 M
662	+ 5 48 43,46	3,335	+9·5211	+8·2266	0·5231	9·9939	780	116	
663	+18 27 36,02	3,287	+9·0000	+8·7154	0·5168	9·9941	783	119	
664	+ 3 9 17,56	3,280	+9·5786	+7·9546	0·5159	9·9941	784	123	
665	− 0 25 56,34	+3,194	+9·6444	−7·0799	+0·5043	−9·9944	787	126	206 M

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
666	Tauri	6·7	h m s 5 23 32,79*	s +3,557	+8·0516	+8·8464	+0·5511	+7·5928
667	120 Tauri	6	23 33,74	3,507	8·0463	8·8412	0·5450	+7·5457
668	36 Orionis υ	5	23 43,06	2,896	8·0253	8·8221	0·4618	—7·1371
669	10 Leporis o	6	23 51,00	2,562	8·0499	8·8483	0·4085	—7·6042
670	35 Orionis u	7	24 14,22	3,402	8·0288	8·8320	0·5317	+7·4179
671	121 Tauri	6	25 4,17	3,654	8·0442	8·8578	0·5627	+7·6521
672	Columbæ ε	4	25 10,56*	2,122	8·0938	8·9087	0·3268	—7·8588
673	11 Leporis α	3·4	25 13,93	2,640	8·0249	8·8406	0·4216	—7·5137
674	Aurigæ	6·7	25 15,64*	3,757	8·0551	8·8711	0·5748	+7·7202
675	38 Orionis	6	25 19,87	3,152	8·0029	8·8198	0·4986	+6·8060
676	37 Orionis φ^1	4·5	25 29,10	3,286	8·0059	8·8248	0·5167	+7·2175
677	39 Orionis λ	4	25 46,41	3,297	8·0029	8·8254	0·5181	+7·2345
678	Tauri	7	26 31,72*	3,736	8·0362	8·8686	0·5724	+7·6904
679	41 Orionis θ^1	6	26 55,64	2,941	7·9837	8·8214	0·4684	—6·9659
680	42 Orionis c^1	5	26 59,62	2,953	7·9825	8·8210	0·4703	—6·9189
681	43 Orionis θ^2	6	27 1,84	2,940	7·9824	8·8214	0·4683	—6·9666
682	44 Orionis ι	3·4	27 7,62	2,928	7·9815	8·8218	0·4666	—7·0026
683	122 Tauri	6	27 11,72	3,471	7·9974	8·8387	0·5404	+7·4615
684	123 Tauri ξ	3·4	27 28,66	3,577	8·0044	8·8495	0·5535	+7·5593
685	40 Orionis φ^2	5	27 33,72	3,282	7·9789	8·8252	0·5161	+7·1823
686	46 Orionis ε	2·3	27 35,27	3,038	7·9731	8·8197	0·4825	—6·3347
687	26 Aurigæ l	5	27 43,16	3,844	8·0354	8·8838	0·5847	+7·7394
688	125 Tauri	6	29 11,61	3,708	7·9966	8·8656	0·5691	+7·6353
689	Columbæ	6	29 31,39*	2,339	8·0038	8·8775	0·3691	—7·6869
690	48 Orionis σ	4	30 12,56	3,005	7·9371	8·8207	0·4779	—6·6108
691	47 Orionis ω	6	30 17,88	3,161	7·9364	8·8213	0·4998	+6·7819
692	Columbæ ν^1	6	30 33,33*	2,364	7·9855	8·8743	0·3737	—7·6568
693	49 Orionis d	5	30 39,88	2,898	7·9335	8·8239	0·4621	—7·0383
694	Orionis	6	31 2,88*	2,983	7·9251	8·8213	0·4747	—6·7309
695	Columbæ ν^2	6	31 6,57*	2,339	7·9807	8·8778	0·3691	—7·6635
696	126 Tauri	5·6	31 27,74	3,459	7·9361	8·8387	0·5390	+7·3879
697	Doradus β	4	32 9,16*	0,509	8·2445	9·1578	9·7068	—8·1928
698	50 Orionis ζ	3	32 11,08	3,021	7·9072	8·8210	0·4801	—6·4585
699	Columbæ α	2	33 29,48*	2,167	7·9684	8·9033	0·3359	—7·7179
700	51 Orionis b	6	5 33 41,15	+3,100	+7·8831	+8·8212	+0·4914	+6·2666

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	[illegible]	La Caille, Mayer, Zach, &c.
666	+20° 20′ 44″,34*	+3″,175	+8·8062	+8·7409	+0·5017	−9·9945		125	205 M
667	+18 24 43,46	3,173	9·0000	+8·6990	0·5015	9·9945	786	127	
668	− 7 26 1,84	3,160	9·7466	−8·3096	0·4996	9·9945	789	130	
669	−20 59 58,68	3,148	9·8802	−8·7504	0·4981	9·9946	791	133	
670	+14 10 44,94	3,115	+9·2529	+8·5806	0·4934	9·9947	788	132	207 M
671	+23 55 3,71	3,043	−7·6021	+8·7892	0·4833	9·9949	790	135	
672	−35 35 56,61*	3,034	+9·9675	−8·9450	0·4820	9·9950		140	419 C
673	−17 57 0,25	3,029	+9·8561	−8·6681	0·4813	9·9950	796	139	208 M
674	+27 32 38,53*	3,026	−8·8573	+8·8440	0·4809	9·9950		136	
675	+ 3 38 37,70	3,020	+9·5682	+7·9812	0·4801	9·9950	793	137	
676	+ 9 22 0,91	3,007	+9·4265	+8·3877	0·4781	9·9951	792	138	
677	+ 9 48 49,99	2,982	+9·4133	+8·4042	0·4745	9·9951	794	141	
678	+26 48 34,83*	2,917	−8·7709	+8·8171	0·4649	9·9954		145	
679	− 5 30 28,08	2,882	+9·7218	−8·1400	0·4597	9·9955	802	147	
680	− 4 57 22,24	2,877	9·7135	−8·0934	0·4589	9·9955	803	149	
681	− 5 32 1,34	2,873	9·7218	−8·1406	0·4584	9·9955	804	150	
682	− 6 1 35,58	2,865	9·7292	−8·1763	0·4571	9·9955	806	151	
683	+16 55 37,73	2,859	9·1038	+8·6184	0·4562	9·9955	798	148	
684	+21 1 52,49	2,835	8·6990	+8·7055	0·4525	9·9956	800	152	209 M
685	+ 9 11 26,67	2,827	9·4314	+8·3528	0·4514	9·9956	805	156	
686	− 1 19 2,67	2,825	+9·6599	−7·5107	0·4510	9·9956	809	160	210 M
687	+30 23 4,65	2,814	−9·1038	+8·8513	0·4493	9·9957	799	155	
688	+25 47 38,63	2,686	−8·6021	+8·7658	0·4291	9·9961	810	165	211 M
689	−28 49 11,15*	2,657	+9·9335	−8·8056	0·4245	9·9961		169	
690	− 2 42 14,30	2,598	9·6821	−7·7864	0·4146	9·9963	814	172	212 M
691	+ 4 1 4,78	2,590	9·5611	+7·9569	0·4133	9·9963	813	171	
692	−27 58 30,42*	2,568	9·9284	−8·7789	0·4096	9·9964		177	426 C
693	− 7 18 49,39	2,558	9·7451	−8·2109	0·4080	9·9964	816	176	
694	− 3 39 58,10*	2,525	9·6955	−7·9061	0·4023	9·9965		178	
695	−28 47 51,58*	2,520	9·9335	−8·7822	0·4014	9·9965		183	427 C
696	+16 26 19,73	2,489	9·1303	+8·5459	0·3961	9·9966	817	180	
697	−62 36 5,36*	2,429	0·0338	−9·0319	0·3855	9·9968			436 C
698	− 2 2 21,49	2,427	9·6712	−7·6343	0·3850	9·9968	819	188	213 M
699	−34 10 10,19*	2,313	9·9624	−8·8117	0·3642	9·9971		196	434 C
700	+ 1 23 8,59	+2,296	+9·6128	+7·4426	+0·3610	−9·9971	822	194	

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
701	Tauri		7	5 34 19,31*	+3,401	+7·8856	+8·8344	+0·5316	+7·2718
702	12 Leporis		6	35 4,04	2,519	7·8939	8·8556	0·4012	—7·4760
703	128 Tauri	M	6	35 4,85	3,449	7·8766	8·8385	0·5377	+7·3171
704	129 Tauri		6	36 58,63	3,443	7·8418	8·8383	0·5369	+7·2754
705	13 Leporis	γ	4	37 22,29	2,517	7·8521	8·8562	0·4009	—7·4351
706	130 Tauri	N	6	37 31,51	3,491	7·8357	8·8428	0·5430	+7·3176
707	131 Tauri	O	6	37 32,48	3,410	7·8283	8·8357	0·5327	+7·2245
708	133 Tauri		6	38 4,41	3,396	7·8168	8·8347	0·5309	+7·1953
709	132 Tauri	B	5	38 34,52	3,674	7·8350	8·8630	0·5652	+7·4528
710	52 Orionis		6	38 52,07	3,217	7·7908	8·8248	0·5074	+6·8370
711	14 Leporis	ζ	4·5	39 14,81	2,714	7·7951	8·8370	0·4336	—7·2050
712	Columbæ	μ	5	39 40,79*	2,224	7·8445	8·8956	0·3472	—7·5732
713	53 Orionis	$\varkappa$	3	39 41,52	2,840	7·7771	8·8285	0·4533	—7·0053
714	32 Aurigæ	ν	5	39 42,33	4,149	7·8806	8·9322	0·6180	+7·6803
715	31 Camelopar.		5	39 44,05	[illegible]358	8·0688	9·1211	0·7290	+8·0056
716	134 Tauri	P	5·6	39 59,41	3,365	7·7750	8·8328	0·5270	+7·1135
717	Tauri		7	40 15,32*	3,773	7·8123	8·8760	0·5767	+7·4826
718	30 Aurigæ	ξ	5	40 36,25*	5,017	7·9995	9·0709	0·7004	+7·9163
719	135 Tauri		6	40 48,03	3,406	7·7601	8·8360	0·5323	+7·1513
720	Tauri		7	41 8,27	3,410	7·7527	8·8363	0·5327	+7·1479
721	Tauri		7	41 10,86	3,400	7·7509	8·8355	0·5315	+7·1343
722	136 Tauri	C	4·5	42 38,48	3,763	7·7552	8·8750	0·5756	+7·4205
723	137 Tauri	D	6	42 42,88	3,403	7·7143	8·8360	0·5319	+7·1017
724	Leporis		6	42 47,36*	2,502	7·7352	8·8588	0·3982	—7·3276
725	55 Orionis		6	43 9,44	2,891	7·6935	8·8265	0·4610	—6·8133
726	56 Orionis		5·6	43 36,82	3,110	7·6781	8·8230	0·4928	+6·1767
727	Aurigæ		6·7	43 57,09*	3,890	7·7388	8·8929	0·5900	+7·4590
728	15 Leporis	δ	5	44 0,55	2,559	7·6968	8·8524	0·4081	—7·2491
729	54 Orionis	χ^1	5	44 18,70	3,559	7·6866	8·8506	0·5514	+7·2256
730	Doradus	δ	5	44 27,96*	0,102	8·0420	9·2102	9·0077	—8·0020
731	57 Orionis	χ^2	6	44 53,21	3,546	7·6690	8·8492	0·5497	+7·1969
[illegible]	Columbæ	β	3	44 58,12*	2,105	7·7316	8·9141	0·3233	—7·4991
[illegible]	33 Aurigæ	δ	3·4	45 31,40*	4,921	7·8576	9·0565	0·6921	+7·7669
734	58 Orionis	α	1	45 58,18	3,241	7·6141	8·8267	0·5106	+6·7221
735	34 Aurigæ	β	2	5 47 3,45*	+4,398	+7·7254	+8·9731	+0·6433	+7·5743

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
701	+14° 5′ ″ —— *	+2″,241	+9·2529	+8·4347	+0·3504	−9·9973	823		
702	−22 27 42,44	2,176	9·8927	−8·6179	0·3377	9·9974	828	204	
703	+16 0 21,40	2,175	9·1553	+8·4760	0·3374	9·9974	826	201	
704	+15 44 58,67	2,010	9·1703	+8·4349	0·3032	9·9978	830	212	
705	−22 30 34,54	1,976	9·8932	−8·5768	0·2957	9·9979	837	219	220 M
706	+17 39 30,42	1,962	9·0492	+8·4727	0·2928	9·9979	832	215	217 M
707	+14 25 3,22	1,961	9·2355	+8·3867	0·2925	9·9979	833	216	
708	+13 49 52,91	1,915	+9·2625	+8·3586	0·2821	9·9980	834	221	
709	+24 30 9,34	1,871	−8·2553	+8·5879	0·2720	9·9981	835	223	219 M
710	+ 6 23 13,65	1,845	+9·5052	+8·0104	0·2661	9·9982	841	227	
711	−14 53 27,07	1,812	9·8293	−8·3662	0·2583	9·9982	843	230	
712	−32 22 32,80*	1,775	9·9542	−8·6759	0·2491	9·9983		238	443 C
713	− 9 44 7,83	1,774	+9·7752	−8·1751	0·2489	9·9983	844	234	222 M
714	+39 5 18,56	1,772	−9·4639	+8·7463	0·2486	9·9983	840	229	
715	+59 50 14,07	1,770	−9·8082	+8·8828	0·2480	9·9983	831	226	
716	+12 35 29,50	1,748	+9·3160	+8·2790	0·2425	9·9983	842	235	
717	+27 54 28,41*	1,725	−8·9138	+8·6050	0·2367	9·9984		236	
718	+55 39 21,00	1,694	−9·7619	+8·8438	0·2290	9·9984	838	233	
719	+14 15 1,34	1,677	+9·2455	+8·3138	0·2246	9·9985	845	240	
720	+14 23 12,57*	1,648	9·2355	+8·3102	0·2169	9·9985	846	242	
721	+13 59 23,41	1,644	+9·2553	+8·2973	0·2159	9·9985	847	244	
722	+27 33 45,85	1,517	−8·8808	+8·5442	0·1809	9·9988	848	247	
723	+14 7 14,59	1,510	+9·2504	+8·2644	0·1790	9·9988	849	249	
724	−23 1 46,85*	1,504	9·8971	−8·4676	0·1772	9·9988		252	446 C
725	− 7 34 12,93	1,472	9·7490	−7·9856	0·1678	9·9988	853	254	
726	+ 1 48 23,63	1,432	+9·6053	+7·3526	0·1559	9·9989	855	257	
727	+31 40 4,62*	1,402	−9·1903	+8·5651	0·1469	9·9989		256	
728	−20 53 57,64	0,777*	+9·8814	−8·3957	9·8904	9·9989	858	261	
729	+20 14 12,02	1,371	8·7924	+8·3740	0·1370	9·9990	856	259	224 M
730	−65 47 56,84*	1,357	0·0366	−8·7908	0·1327	9·9990			455 C
731	+19 42 34,87	1,321	8·8573	+8·3468	0·1208	9·9991	857	265	225 M
732	−35 50 23,21*	1,314	+9·9713	−8·5840	0·1185	9·9991		267	453 C
733	+54 15 34,05	1,265	−9·7451	+8·7100	0·1022	9·9991	852	262	
734	+ 7 22 4,13	1,226	+9·4800	+7·8946	0·0886	9·9992	860	268	
735	+44 55 11,36	+1,131	−9·5999	+8·6005	+0·0535	−9·9993	859	269	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
736	35 Aurigæ π	5	5 47 19,03*	+4,445	+7·7242	+8·9808	+0·6479	+7·5805
737	139 Tauri	5·6	47 26,69	3,717	7·6084	8·8693	0·5701	+7·2491
738	37 Aurigæ θ	4	48 7,47	4,081	7·6369	8·9221	0·6107	+7·4183
739	16 Leporis η	4	48 39,60	2,730	7·5316	8·8369	0·4362	−6·9215
740	59 Orionis	6	49 34,32	+3,110	7·4820	8·8237	+0·4928	+5·9823
741	Doradus ε	5	50 2,88*	−0,069	7·8687	9·2307	−8·8388	−7·8326
742	60 Orionis B	6	50 4,85	+3,080	7·4601	8·8235	+0·4886	+5·4264
743	Aurigæ	7	50 19,37*	3,765	7·5016	8·8758	0·5757	+7·1668
744	2 Monocer. A^2	5·6	50 59,89	2,843	7·4241	8·8297	0·4537	−6·6451
745	141 Tauri Q^2	6	51 25,39	3,618	7·4310	8·8576	0·5585	+7·0118
746	Columbæ γ	4	51 30,56*	2,122	7·4809	8·9119	0·3268	−7·2428
747	61 Orionis μ	5	53 1,26	3,295	7·3136	8·8299	0·5178	+6·5375
748	64 Orionis χ^4	5·6	53 23,85*	3,546	7·3095	8·8499	0·5497	+6·8370
749	1 Geminor. H	5	53 47,04	3,642	7·2940	8·8606	0·5614	+6·8906
750	62 Orionis χ^3	5	53 49,55	3,558	7·2817	8·8511	0·5512	+6·8185
751	3 Monocerotis	5·6	53 50,28	2,818	7·2609	8·8312	0·4499	−6·5259
752	66 Orionis C	6	55 59,20	3,165	7·0684	8·8250	0·5004	+5·9290
753	Leporis	5·6	56 24,37*	2,408	7·0666	8·8713	0·3817	−6·7129
754	2 Geminorum	6·7	56 26,67	3,653	7·0527	8·8619	0·5626	+6·6560
755	Orionis	7	56 55,99*	3,440	6·9666	8·8401	0·5365	+6·3950
756	17 Leporis ρ	5·6	57 23,77	2,673	6·8975	8·8421	0·4270	−6·3503
757	67 Orionis ν	4·5	57 51,61	3,421	6·8088	8·8385	0·5341	+6·2155
758	18 Leporis θ	4·5	58 27,86	2,712	6·6649	8·8388	0·4333	−6·0758
759	Tauri	6·7	59 17,50*	3,614	6·3478	8·8574	0·5579	+5·9253
760	3 Geminorum	6	5 59 24,26	3,639	+6·2751	8·8603	0·5610	+5·8693
761	Camelopardi	5	6 0 5,78*	6,616	−5·9020	9·2769	0·8206	−5·8732
762	4 Geminorum	7	0 10,67	3,636	5·7496	8·8599	0·5606	−5·3419
763	19 Leporis τ	6	0 17,56	2,604	5·9542	8·8486	0·4156	+5·4701
764	40 Camelopardi	5	0 23,66*	5,385	6·3612	9·1254	0·7312	−6·2989
765	4 Monocer. D^2	6	0 ——*	2,805	6·1143	8·8321	0·4480	+5·3999
766	5 Geminorum	7	1 6,55	3,676	6·5494	8·8647	0·5653	−6·1663
767	Columbæ θ	5	1 41,57*	2,053	6·7915	8·9229	0·3123	+6·5733
768	68 Orionis E^1	6	1 56,68	3,550	6·7790	8·8504	0·5502	−6·3093
769	6 Geminorum	6·7	1 59,97	3,634	6·8003	8·8597	0·5603	−6·3911
770	1 Lyncis α	5	6 2 13,62	+5,535	−7·1335	+9·1460	+0·7431	−7·0776

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
736	+45° 54′ 40″,17*	+1″,109	−9·6180	+8·5991	+0·0447	−9·9993		271	
737	+25 55 26,68	1,097	8·6721	+8·3791	0·0404	9·9993	862	273	227 M
738	+37 11 30,98	1,038	−9·4116	+8·4957	0·0162	9·9994	863	277	
739	−14 12 12,21	0,991	+9·8235	−8·0841	9·9962	9·9995	866	281	
740	+ 1 48 48,93	0,912	9·6042	+7·1582	9·9598	9·9996	869	283	
741	−66 56 53,78*	0,870	0·0370	−8·6015	9·9396	9·9996			468 C
742	+ 0 31 48,75	0,867	+9·6284	+6·6025	9·9381	9·9996	870	289	
743	+27 33 17,65*	0,846	−8·8865	+8·2906	9·9274	9·9996		287	
744	− 9 34 32,51	0,787	+9·7738	−7·8151	9·8960	9·9997	874	295	
745	+22 23 20,01	0,750	8·3010	+8·1538	9·8750	9·9997	871	296	229 M
746	−35 18 23,34*	0,742	9·9694	−8·3306	9·8706	9·9997		297	465 C
747	+ 9 38 21,46*	0,610	9·4166	+7·7074	9·7855	9·9998	877	302	
748	+19 41 10,61	0,577	8·8573	+7·9869	9·7614	9·9998	878	304	230 M
749	+23 15 52,28	0,543	7·6021	+8·0298	9·7352	9·9998	880	307	232 M
750	+20 8 2,87	0,540	8·7993	+7·9672	9·7323	9·9998	881	308	233 M
751	−10 36 24,40	0,539	9·7860	−7·6945	9·7315	9·9998	883	311	
752	+ 4 9 39,44	0,351	9·5563	+7·1040	9·5453	9·9999	885	322	
753	−26 17 21,99*	0,314	+9·9201	−7·8416	9·4973	9·9999		327	476 C
754	+23 38 52,54	0,311	−7·4771	+7·7940	9·4927	9·9999	884	323	
755	+15 33 18,80*	0,268	+9·1761	+7·5549	9·4284	0·0000		328	
756	−16 28 48,52	0,228	9·8451	−7·5082	9·3573	0·0000	890	331	
757	+14 46 56,80	0,187	9·2175	+7·3770	9·2722	0·0000	887	332	
758	−14 55 39,85	0,134	9·8306	−7·2370	9·1280	0·0000	892	336	
759	+22 12 32,03*	0,062	8·3802	+7·0679	8·7923	0·0000		338	235 M
760	+23 7 58,17	+0,052	+7·7782	+7·0090	+8·7167	0·0000	891	340	236 M
761	+69 21 53,58*	−0,009	−9·8938	−6·5963	−7·9270	0·0000		335	22 H
762	+23 1 14,88	0,016	+7·9031	−6·4819	8·1916	0·0000	895	344	237 M
763	−19 9 6,08	0,026	+9·8681	+6·6215	8·4075	0·0000	898	349	
764	+60 1 59,00	0,034	−9·8122	−7·1735	8·5378	0·0000	888	341	
765	−11 7 38,27*	0,038	+9·7917	+6·5677	8·5841	0·0000	897		
766	+24 26 58,02	0,097	−8·2788	−7·3016	8·9867	0·0000	896	350	238 M
767	−37 14 2,60*	0,148	+9·9782	+7·6504	9·1705	0·0000		9	485 C
768	+19 49 16,33	0,170	8·8388	−7·4589	9·2306	0·0000	900	2	240 M
769	+22 56 20,41	0,175	+8·0000	−7·5314	9·2426	0·0000	899	3	239 M
770	+61 33 21,66	−0,195	−9·8274	−7·9316	−9·2894	−0·0000	893	351	

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					a	*b*	*c*	*d*
			h m s	s				
736	35 Aurigæ π	5	5 47 19,03*	+4,445	+7·7242	+8·9808	+0·6479	+7·5805
737	139 Tauri	5·6	47 26,69	3,717	7·6084	8·8693	0·5701	+7·2491
738	37 Aurigæ θ	4	48 7,47	4,081	7·6369	8·9221	0·6107	+7·4183
739	16 Leporis η	4	48 39,60	2,730	7·5316	8·8369	0·4362	−6·9215
740	59 Orionis	6	49 34,32	+3,110	7·4820	8·8237	+0·4928	+5·9823
741	Doradus ε	5	50 2,88*	−0,069	7·8687	9·2307	−8·8388	−7·8326
742	60 Orionis B	6	50 4,85	+3,080	7·4601	8·8235	+0·4886	+5·4264
743	Aurigæ	7	50 19,37*	3,765	7·5016	8·8758	0·5757	+7·1668
744	2 Monocer. A^2	5·6	50 59,89	2,843	7·4241	8·8297	0·4537	−6·6451
745	141 Tauri Q^2	6	51 25,39	3,618	7·4310	8·8576	0·5585	+7·0118
746	Columbæ γ	4	51 30,56*	2,122	7·4809	8·9119	0·3268	−7·2428
747	61 Orionis μ	5	53 1,26	3,295	7·3136	8·8299	0·5178	+6·5375
748	64 Orionis χ^4	5·6	53 23,85*	3,546	7·3095	8·8499	0·5497	+6·8370
749	1 Geminor. H	5	53 47,04	3,642	7·2940	8·8606	0·5614	+6·8906
750	62 Orionis χ^3	5	53 49,55	3,558	7·2817	8·8511	0·5512	+6·8185
751	3 Monocerotis	5·6	53 50,28	2,818	7·2609	8·8312	0·4499	−6·5259
752	66 Orionis C	6	55 59,20	3,165	7·0684	8·8250	0·5004	+5·9290
753	Leporis	5·6	56 24,37*	2,408	7·0666	8·8713	0·3817	−6·7129
754	2 Geminorum	6·7	56 26,67	3,653	7·0527	8·8619	0·5626	+6·6560
755	Orionis	7	56 55,99*	3,440	6·9666	8·8401	0·5365	+6·3950
756	17 Leporis ρ	5·6	57 23,77	2,673	6·8975	8·8421	0·4270	−6·3503
757	67 Orionis ν	4·5	57 51,61	3,421	6·8088	8·8385	0·5341	+6·2155
758	18 Leporis θ	4·5	58 27,86	2,712	6·6649	8·8388	0·4333	−6·0758
759	Tauri	6·7	59 17,50*	3,614	6·3478	8·8574	0·5579	+5·9253
760	3 Geminorum	6	5 59 24,26	3,639	+6·2751	8·8603	0·5610	+5·8693
761	Camelopardi	5	6 0 5,78*	6,616	−5·9020	9·2769	0·8206	−5·8732
762	4 Geminorum	7	0 10,67	3,636	5·7496	8·8599	0·5606	−5·3419
763	19 Leporis τ	6	0 17,56	2,604	5·9542	8·8486	0·4156	+5·4701
764	40 Camelopardi	5	0 23,66*	5,385	6·3612	9·1254	0·7312	−6·2989
765	4 Monocer. D^2	6	0 ——.*	2,805	6·1143	8·8321	0·4480	+5·3999
766	5 Geminorum	7	1 6,55	3,676	6·5494	8·8647	0·5653	−6·1663
767	Columbæ θ	5	1 41,57*	2,053	6·7915	8·9229	0·3123	+6·5733
768	68 Orionis E^1	6	1 56,68	3,550	6·7790	8·8504	0·5502	−6·3093
769	6 Geminorum	6·7	1 59,97	3,634	6·8003	8·8597	0·5603	−6·3911
770	1 Lyncis α	5	6 2 13,62	+5,535	−7·1335	+9·1460	+0·7431	−7·0776

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736	+45° 54′ 40″,17*	+1″,109	−9·6180	+8·5991	+0·0447	−9·9993		271	
737	+25 55 26,68	1,097	8·6721	+8·3791	0·0404	9·9993	862	273	227 M
738	+37 11 30,98	1,038	−9·4116	+8·4957	0·0162	9·9994	863	277	
739	−14 12 12,21	0,991	+9·8235	−8·0841	9·9962	9·9995	866	281	
740	+ 1 48 48,93	0,912	9·6042	+7·1582	9·9598	9·9996	869	283	
741	−66 56 53,78*	0,870	0·0370	−8·6015	9·9396	9·9996			468 C
742	+ 0 31 48,75	0,867	+9·6284	+6·6025	9·9381	9·9996	870	289	
743	+27 33 17,65*	0,846	−8·8865	+8·2906	9·9274	9·9996		287	
744	− 9 34 32,51	0,787	+9·7738	−7·8151	9·8960	9·9997	874	295	
745	+22 23 20,01	0,750	8·3010	+8·1538	9·8750	9·9997	871	296	229 M
746	−35 18 23,34*	0,742	9·9694	−8·3306	9·8706	9·9997		297	465 C
747	+ 9 38 21,46*	0,610	9·4166	+7·7074	9·7855	9·9998	877	302	
748	+19 41 10,61	0,577	8·8573	+7·9869	9·7614	9·9998	878	304	230 M
749	+23 15 52,28	0,543	7·6021	+8·0298	9·7352	9·9998	880	307	232 M
750	+20 8 2,87	0,540	8·7993	+7·9672	9·7323	9·9998	881	308	233 M
751	−10 36 24,40	0,539	9·7860	−7·6945	9·7315	9·9998	883	311	
752	+ 4 9 39,44	0,351	9·5563	+7·1040	9·5453	9·9999	885	322	
753	−26 17 21,99*	0,314	+9·9201	−7·8416	9·4973	9·9999		327	476 C
754	+23 38 52,54	0,311	−7·4771	+7·7940	9·4927	9·9999	884	323	
755	+15 33 18,80*	0,268	+9·1761	+7·5549	9·4284	0·0000		328	
756	−16 28 48,52	0,228	9·8451	−7·5082	9·3573	0·0000	890	331	
757	+14 46 56,80	0,187	9·2175	+7·3770	9·2722	0·0000	887	332	
758	−14 55 39,85	0,134	9·8306	−7·2370	9·1280	0·0000	892	336	
759	+22 12 32,03*	0,062	8·3802	+7·0679	8·7923	0·0000		338	235 M
760	+23 7 58,17	+0,052	+7·7782	+7·0090	+8·7167	0·0000	891	340	236 M
761	+69 21 53,58*	−0,009	−9·8938	−6·5963	−7·9270	0·0000		335	22 H
762	+23 1 14,88	0,016	+7·9031	−6·4819	8·1916	0·0000	895	344	237 M
763	−19 9 6,08	0,026	+9·8681	+6·6215	8·4075	0·0000	898	349	
764	+60 1 59,00	0,034	−9·8122	−7·1735	8·5378	0·0000	888	341	
765	−11 7 38,27*	0,038	+9·7917	+6·5677	8·5841	0·0000	897		
766	+24 26 58,02	0,097	−8·2788	−7·3016	8·9867	0·0000	896	350	238 M
767	−37 14 2,60*	0,148	+9·9782	+7·6504	9·1705	0·0000		9	485 C
768	+19 49 16,33	0,170	8·8388	−7·4589	9·2306	0·0000	900	2	240 M
769	+22 56 20,41	0,175	+8·0000	−7·5314	9·2426	0·0000	899	3	239 M
770	+61 33 21,66	−0,195	−9·8274	−7·9316	−9·2894	−0·0000	893	351	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
771	69 Orionis f^1	6	6 2 14,60	+3,455	−6·8321	+8·8414	+0·5385	−6·2767
772	70 Orionis ξ	5	2 16,32	3,407	6·8337	8·8374	0·5324	−6·2246
773	Canis Maj.	6	3 48,48*	2,384	7·0950	8·8744	0·3773	+6·7538
774	44 Aurigæ $\varkappa$	4	4 32,01	3,825	7·1806	8·8843	0·5827	−6·8737
775	7 Geminor. η	4·5	4 36,57	3,623	7·1619	8·8584	0·5590	−6·7457
776	2 Lyncis b	4·5	4 36,72	5,297	7·4165	9·1127	0·7240	−7·3499
777	71 Orionis E^2	5·6	4 50,95	3,533	7·1742	8·8487	0·5482	−6·6914
778	72 Orionis f^2	6	5 36,65	3,456	7·2303	8·8414	0·5385	−6·6756
779	8 Geminorum	7	5 55,39	3,663	7·2756	8·8631	0·5639	−6·8852
780	73 Orionis k^1	6	6 11,71	3,367	7·2663	8·8343	0·5272	−6·6049
781	5 Monocer. a	4·5	6 33,65	2,922	7·2832	8·8263	0·4657	+6·3186
782	9 Geminorum	7	6 35,95	3,657	7·3217	8·8623	0·5631	−6·9274
783	74 Orionis k^2	5·6	6 53,90	3,360	7·3125	8·8338	0·5263	−6·6414
784	Aurigæ	7	7 41,39*	3,756	7·4007	8·8748	0·5748	−7·0617
785	75 Orionis l	6	7 44,64	3,303	7·3593	8·8303	0·5190	−6·5988
786	11 Geminorum	7	8 57,84	3,649	7·4539	8·8613	0·5623	−7·0554
787	Columbæ $\varkappa$	4·5	10 30,30*	2,130	7·5721	8·9106	0·3284	+7·3317
788	7 Monocerotis	6	11 31,83	2,886	7·5294	8·8274	0·4603	+6·6596
789	46 Aurigæ d	5	11 47,75	4,623	7·7115	9·0096	0·6649	−7·5916
790	13 Geminor. μ	3	12 40,19	3,623	7·6010	8·8579	0·5591	−7·1855
791	1 Canis Maj. ζ	3	13 47,35	2,298	7·6654	8·8856	0·3614	+7·3643
792	Geminorum	7	14 15,21*	3,694	7·6605	8·8663	0·5674	−7·2886
793	Monocerotis	6	14 20,77*	3,158	7·6212	8·8240	0·4994	−6·4474
794	8 Monocer. b	5·6	14 45,47	3,177	7·6339	8·8245	0·5020	−6·5450
795	Geminorum	7	15 11,52*	3,648	7·6827	8·8606	0·5621	−7·2839
796	Geminorum	7	15 12,58*	3,645	7·6829	8·8603	0·5617	−7·2820
797	2 Canis Maj. β	2·3	15 12,66	2,638	7·6671	8·8444	0·4213	+7·1542
798	3 Canis Maj. λ	4	15 53,91	2,191	7·7429	8·9010	0·3405	+7·4832
799	15 Geminorum	6	17 38,22	3,576	7·7392	8·8521	0·5534	−7·2913
800	48 Aurigæ z	6	17 38,25*	3,856	7·7748	8·8877	0·5861	−7·4814
801	16 Geminorum	6	17 49,67	3,569	7·7431	8·8513	0·5525	−7·2892
802	77 Orionis D^1	6	18 30,18	3,077	7·7305	8·8225	0·4882	−5·5681
803	78 Orionis D^2	6	18 34,27	3,064	7·7321	8·8225	0·4863	+5·2312
804	18 Geminor. ν	5	18 51,64	3,561	7·7667	8·8503	0·5516	−7·3072
805	17 Geminorum	7	6 19 1,94*	+3,588	−7·7722	+8·8619	+0·5548	−7·3242

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
771	+16° 9′ 43″,51	−0″,196	+9·1430	−7·4353	−9·2927	−0·0000	901	7	
772	+14 14 19,66	0,199	9·2430	−7·3871	9·2982	0·0000	[illegible]	8	
773	−27 7 18,83*	0,333	+9·9253	+7·8793	9·5224	9·9999		17	
774	+29 33 3,16	0,396	−9·0607	−7·9892	9·5982	9·9999	907	18	
775	+22 32 52,91	0,403	+8·2553	−7·8872	9·6054	9·9999	909	22	241 M
776	+59 3 34,66	0,403	−9·8028	−8·2370	9·6057	9·9999	902	16	
777	+19 12 28,20*	0,424	+8·9085	−7·8426	9·6274	9·9999	911	23	242 M
778	+16 11 21,85	0,491	+9·1399	−7·8341	9·6908	9·9999	913	29	
779	+24 1 1,16	0,518	−8·0414	−8·0219	9·7143	9·9999	914	30	243 M
780	+12 35 45,46	0,542	+9·3139	−7·7704	9·7338	9·9998	916	32	
781	− 6 13 42,30*	0,574	+9·7316	+7·4921	9·7587	9·9998	920	35	
782	+23 47 21,78	0,577	−7·7782	−8·0649	9·7612	9·9998	917	33	244 M
783	+12 18 45,33	0,603	+9·3243	−7·8073	9·7804	9·9998	919	37	
784	+27 16 5,19*	0,672	−8·8573	−8·1867	9·8276	9·9998		43	
785	+ 9 59 48,12	0,677	+9·4048	−7·7683	9·8307	9·9998	921	45	
786	+23 31 42,68	0,784	−7·0000	−8·1934	9·8942	9·9997	923	52	246 M
787	−35 5 20,16*	0,918	+9·9680	+8·4206	9·9630	9·9995		65	497 C
788	− 7 45 27,15	1,008	+9·7520	+7·8317	0·0034	9·9995	928	69	
789	+49 21 45,94	1,008	−9·6767	−8·5815	0·0033	9·9994	926	66	
790	+22 35 34,75	1,107	+8·2304	−8·3269	0·0443	9·9993	929	74	251 M
791	−29 59 41,77	1,205	+9·9420	+8·4780	0·0810	9·9992	933	81	
792	+25 7 46,24*	1,246	−8·4914	−8·4215	0·0954	9·9992		78	
793	+ 3 50 35,95*	1,254	+9·5635	−7·6225	0·0982	9·9991		82	
794	+ 4 40 26,42	1,290	+9·5465	−7·7196	0·1105	9·9991	931	84	
795	+23 31 35,96*	1,328	~~0·0000~~ −6·5682	−8·4223	0·1231	9·9990		87	
796	+23 24 45,31*	1,329	+7·3010	−8·4208	0·1236	9·9990		89	
797	−17 52 45,70	1,329	9·8567	+8·3088	0·1236	9·9990	936	92	
798	−33 21 23,24	1,389	9·9600	+8·5811	0·1428	9·9990	939	95	
799	+20 53 8,07	1,541	+8·6990	−8·4379	0·1878	9·9987	940	100	253 M
800	+30 35 23,86	1,541	−9·1239	−8·5925	0·1878	9·9987	938	98	
801	+20 35 26,83	1,558	+8·7404	−8·4366	0·1924	9·9987	941	101	254 M
802	+ 0 23 38,93	1,616	9·6304	−6·7441	0·2085	9·9986	943	107	
803	− 0 10 50,67	1,622	9·6405	+6·4073	0·2101	9·9986	944	108	
804	+20 18 44,63	1,648	8·7853	−8·4554	0·2168	9·9985	942	109	255 M
805	+20 52 59,47*	−1,663	+8·6990	−8·4708	−0·2208	−9·9985			410 Z

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					a	*b*	*c*	*d*
			h m s	s				
806	10 Monocerotis	6	6 19 33,92	+2,959	−7·7561	+8·8238	+0·4712	+6·6664
807	Argus α	1	20 10,58*	1,327	7·9846	9·0388	0·1227	+7·8847
808	Geminorum	7	21 21,20*	3,918	7·8669	8·8963	0·5930	−7·5979
809	19 Geminorum	6·7	21 50,46	3,450	7·8195	8·8391	0·5378	−7·2603
810	Canis Maj. D[1]	5	21 52,23*	2,221	7·8768	8·8958	0·3466	+7·6067
811	21 Geminorum	7	22 23,33	3,497	7·8346	8·8434	0·5437	−7·3222
812	12 Monocer. e	6	23 17,85	3,184	7·8319	8·8233	0·5029	−6·7697
813	13 Monocer. f	5	23 42,56	3,242	7·8415	8·8253	0·5108	−6·9543
814	Geminorum	6·7	23 56,69*	3,406	7·8558	8·8352	0·5323	−7·2478
815	Canis Maj. C	6	24 2,87*	2,372	7·8967	8·8742	0·3750	+7·5634
816	Canis Maj.	6	24 26,73*	2,638	7·8728	8·8431	0·4212	+7·3615
817	49 Aurigæ c	6	24 29,89	3,779	7·9067	8·8761	0·5773	−7·5804
818	4 Canis Maj. ξ[1]	5·6	24 45,96	2,496	7·8937	8·8583	0·3972	+7·4909
819	14 Monocer. g	6	25 33,73*	3,248	7·8744	8·8251	0·5115	−7·0012
820	24 Geminor. γ	3	27 53,01	3,462	7·9263	8·8390	0·5393	−7·3806
821	5 Canis Maj. ξ[2]	5	27 55,72	2,510	7·9441	8·8561	0·3996	+7·5331
822	54 Aurigæ	6	28 49,46	3,785	7·9780	8·8762	0·5781	−7·6554
823	7 Canis Maj. ν[2]	5	29 16,10	2,609	7·9536	8·8450	0·4164	+7·4688
824	8 Canis Maj. ν[3]	5·6	30 24,65	2,635	7·9675	8·8421	0·4208	+7·4597
825	25 Geminorum	7	30 37,28	3,782	8·0039	8·8755	0·5778	−7·6804
826	55 Aurigæ	5	30 42,11	4,377	8·0977	8·9681	0·6412	−7·9447
827	15 Monocer. h	6	31 36,80	3,302	7·9689	8·8265	0·5188	−7·2105
828	26 Geminor. u	5·6	32 30,14	3,493	7·9955	8·8408	0·5432	−7·4809
829	Argus ν	3	32 33,66*	1,832	8·1112	8·9557	0·2630	+7·9454
830	42 Camelopardi	5	33 10,52*	6,299	8·4047	9·2408	0·7993	−8·3710
831	27 Geminor. ε	3	33 27,89	3,693	8·0305	8·8630	0·5673	−7·6612
832	28 Geminorum	6	33 58,44	3,805	8·0520	8·8779	0·5803	−7·7394
833	30 Geminor. ξ[1]	5·6	34 23,18	3,383	8·0105	8·8310	0·5292	−7·3752
834	Camelopardi	5	35 8,62*	8,868	8·6615	9·4724	0·9478	−8·6505
835	43 Camelop. q	5	35 21,77	6,520	8·4576	9·2658	0·8143	−8·4280
836	31 Geminor. ξ[2]	4	35 44,82	3,375	8·0266	8·8300	0·5282	−7·3811
837	16 Monocerotis	6	37 15,48	3,271	8·0381	8·8232	0·5147	−7·2208
838	9 Canis Maj. α	1	37 39,27	2,643*	8·0558	8·8363	0·4222	+7·5089
839	17 Monocer. i	5	38 5,51*	3,258	8·0470	8·8224	0·5130	−7·2020
840	18 Monocer. k	5	6 38 59,55*	+3,128	−8·0531	+8·8190	+0·4952	−6·7086

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806	− 4° 39′ 53″,09	−1″,709	+9·7110	+7·8410	−0·2327	−9·9984	948	116	
807	−52 36 27,50*	1,762	+0·0233	+8·8442	0·2461	9·9983			519 C
808	+32 34 2,11*	1,865	−9·2304	−8·6997	0·2706	9·9981		126	
809	+16 0 56,57	1,907	+9·1523	−8·4192	0·2804	9·9980	953	130	
810	−32 28 43,35*	1,910	9·9547	+8·7090	0·2810	9·9980		136	521 C
811	+17 53 46,04	1,955	9·0294	−8·4767	0·2911	9·9979	956	135	257 M
812	+ 4 58 16,34	2,034	9·5391	−7·9442	0·3083	9·9978	957	140	
813	+ 7 26 57,66	2,070	9·4786	−8·1267	0·3159	9·9977	958	143	
814	+14 16 43,61*	2,090	9·2455	−8·4103	0·3202	9·9976		144	
815	−27 39 22,83*	2,099	9·9274	+8·6868	0·3220	9·9976		148	528 C
816	−17 56 45,30*	2,134	+9·8567	+8·5159	0·3291	9·9975		151	
817	+28 8 44,16	2,138	−8·9345	−8·7018	0·3301	9·9975	959	146	
818	−23 18 6,12	2,162	+9·8987	+8·6300	0·3348	9·9975	962	155	
819	+ 7 41 48,14	2,231	9·4728	−8·1734	0·3485	9·9973	961	156	
820	+16 32 13,51	2,432	9·1239	−8·5384	0·3860	9·9968	969	169	259 M
821	−22 50 2,96	2,436	+9·8949	+8·6737	0·3867	9·9968	972	170	
822	+28 24 14,34	2,514	−8·9542	−8·7758	0·4004	9·9966	970	173	
823	−19 6 58,61	2,553	+9·8663	+8·6202	0·4070	9·9964	978	180	
824	−18 5 43,88	2,652	+9·8579	+8·6138	0·4235	9·9962	979	189	
825	+28 20 42,89	2,670	−8·9494	−8·8010	0·4265	9·9961	977	186	
826	+44 40 41,01	2,677	−9·5888	−8·9727	0·4276	9·9961	973	183	
827	+10 2 43,26	2,756	+9·4048	−8·3799	0·4403	9·9959	981	193	
828	+17 48 14,46	2,833	9·0414	−8·6357	0·4522	9·9956	982	202	262 M
829	−43 3 4,96*	2,838	+9·9969	+8·9853	0·4530	9·9956		205	557 C
830	+67 44 39,22	2,891	−9·8762	−9·1255	0·4611	9·9954	974	194	
831	+25 17 29,26	2,916	8·4914	−8·7935	0·4648	9·9954	983	204	263 M
832	+29 8 5,22	2,960	−9·0128	−8·8568	0·4713	9·9952	986	207	
833	+13 23 31,08	2,996	+9·2856	−8·5393	0·4765	9·9951	987	211	264 M
834	+77 10 25,42*	3,061	−9·9385	−9·1730	0·4859	9·9949		201	
835	+69 4 16,50	3,080	−9·8854	−9·1570	0·4886	9·9948	980	208	
836	+13 4 20,99	3,113	+9·3010	−8·5458	0·4932	9·9947	989	217	265 M
837	+ 8 45 37,14	3,244	9·4456	−8·3918	0·5111	9·9942	991	224	
838	−16 29 18,74	4,418*	9·8426	+8·6667	0·6452	9·9941	994	227	266 M
839	+ 8 12 48,78	3,316	9·4609	−8·3736	0·5206	9·9940	993	228	
840	+ 2 35 35,45	−3,394	+9·5899	−7·8842	−0·5307	−9·9937	995	234	

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					a	*b*	*c*	*d*
			h m s	s				
841	11 Canis Maj. ψ^2	6	6 39 5,31	+2,734	−8·0672	+8·8311	+0·4367	+7·4584
842	33 Geminor. G	6	40 1,65	3,455	8·0819	8·8353	0·5384	−7·5324
843	35 Geminorum	6	40 49,45	3,386	8·0847	8·8293	0·5297	−7·4561
844	36 Geminor. *d*	6·7	41 21,42	3,598	8·1106	8·8495	0·5560	−7·6833
845	Arg. in pup. *x*	5	41 32,33*	2,051	8·1818	8·9187	0·3119	+7·9687
846	34 Geminor. θ	5	41 34,22	3,960	8·1623	8·8990	0·5977	−7·9117
847	15 Lyncis *e*	5	42 31,34	5,222	8·3734	9·0999	0·7179	−8·3048
848	13 Canis Maj. κ^2	4	43 29,43	2,238	8·1726	8·8891	0·3498	+7·9006
849	Canis Maj.	5	44 41,34*	2,178	8·1935	8·8979	0·3381	+7·9430
850	37 Geminorum	6	44 50,62	3,695	8·1575	8·8603	0·5677	−7·7927
851	38 Geminor. e^1	5·6	45 2,89	3,380	8·1266	8·8274	0·5289	−7·4912
852	Argus τ	4	45 42,88*	1,484	8·3166	9·0109	0·1715	+8·2035
853	15 Canis Maj. π^1	5·6	46 11,66	2,591	8·1524	8·8421	0·4135	+7·6869
854	14 Canis Maj. θ	5	46 17,42	2,794	8·1356	8·8243	0·4462	+7·4474
855	Geminorum	7	46 22,92*	3,492	8·1488	8·8366	0·5431	−7·6376
856	Equul. Pict. α	4	46 26,48*	0,631	8·4527	9·1399	9·8000	+8·3976
857	16 Canis Maj. o^1	4	47 4,68	2,486	8·1727	8·8539	0·3956	+7·7816
858	17 Canis Maj. π^2	6	47 42,30	2,587	8·1667	8·8420	0·4128	+7·7048
859	Geminorum	7	47 48,49*	3,496	8·1622	8·8365	0·5435	−7·6549
860	19 Canis Maj. π^3	5·6	48 14,84	2,594	8·1708	8·8410	0·4140	+7·7033
861	39 Geminor. y^1	6·7	48 17,64	3,714	8·1918	8·8616	0·5698	−7·8383
862	18 Canis Maj. μ	5·6	48 18,79	2,746	8·1573	8·8270	0·4388	+7·5358
863	20 Canis Maj. ι	4·5	48 33,10	2,673	8·1647	8·8321	0·4269	+7·6276
864	40 Geminor. y^2	6·7	48 57,53	3,709	8·1971	8·8608	0·5692	−7·8411
865	Geminorum	7	50 4,30*	3,446	8·1774	8·8310	0·5373	−7·6221
866	41 Geminorum	6·7	50 29,08	3,450	8·1812	8·8311	0·5378	−7·6296
867	Canis Maj.	6	50 32,84*	2,476	8·2046	8·8539	0·3938	+7·8209
868	Canis Maj.	6	51 37,81*	2,455	8·2163	8·8562	0·3901	+7·8454
869	21 Canis Maj. ε	2·3	51 56,58	2,354	8·2326	8·8698	0·3718	+7·9147
870	42 Geminor. ω^1	6	52 2,73	3,660	8·2172	8·8534	0·5635	−7·8341
871	Geminorum	6·7	52 41,16*	3,808	8·2424	8·8731	0·5807	−7·9363
872	43 Geminor. ζ	4	54 1,21	3,562	8·2216	8·8410	0·5517	−7·7721
873	19 Monocer. *s*	5·6	54 27,83	2,977	8·1968	8·8126	0·4738	+7·0401
874	Camelopardi	4·5	54 48,25*	13,217	9·0950	9·7080	1·1212	−9·0915
875	22 Canis Maj. σ	3·4	6 54 56,76	+2,387	−8·2523	+8·8642	+0·3778	+7·9196

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
841	−14° 14′ 53″,90	−3″,402	+9·8222	+8·6209	−0·5317	−9·9937	996	237	
842	+16 23 21,22	3,483	+9·1399	−8·6905	0·5419	9·9933	997	240	267 M
843	+13 36 5,62	3,551	+9·2810	−8·6198	0·5504	9·9931	1002	243	
844	+21 57 15,91	3,597	+8·5441	−8·8267	0·5560	9·9929	1004	247	268 M
845	−37 44 49,07*	3,613	+9·9754	+9·0428	0·5578	9·9928		253	570 C
846	+34 9 23,80	3,615	−9·2856	−9·0055	0·5582	9·9928	1003	248	
847	+58 37 55,89	3,697	−9·7875	−9·1973	0·5679	9·9925	998	250	
848	−32 19 0,64	3,781	+9·9504	+9·0036	0·5776	9·9921	1008	259	
849	−34 10 20,11*	3,883	+9·9590	+9·0368	0·5892	9·9917		267	
850	+25 34 50,07	3,897	−8·5185	−8·9240	0·5907	9·9916	1007	264	
851	+13 23 12,69	3,914	+9·2900	−8·6553	0·5926	9·9916	1009	266	269 M
852	−50 24 51,76*	3,971	+0·0137	+9·1839	0·5989	9·9913			579 C
853	−20 1 12,09	4,013	+9·8710	+8·8359	0·6034	9·9911	1012	275	
854	−11 49 55,68	4,021	+9·7966	+8·6142	0·6043	9·9911	1011	274	
855	+17 56 59,78*	4,029	+9·0453	−8·7920	0·6052	9·9910		270	270 M
856	−61 45 39,18*	4,034	+0·0286	+9·2487	0·6057	9·9910			583 C
857	−23 58 35,33	4,088	+9·9004	+8·9185	0·6115	9·9908	1014	279	
858	−20 11 37,29	4,142	+9·8722	+8·8533	0·6172	9·9905	1016	282	
859	+18 7 7,21*	4,151	+9·0334	−8·8089	0·6181	9·9905		281	271 M
860	−19 55 29,19	4,188	+9·8698	+8·8526	0·6220	9·9903	1018	287	
861	+26 17 47,51	4,192	−8·6435	−8·9669	0·6224	9·9903	1013	283	272 M
862	−13 49 45,82	4,194	+9·8162	+8·6991	0·6226	9·9903	1017	286	
863	−16 50 19,68	4,214	+9·8439	+8·7847	0·6247	9·9902	1019	289	
864	+26 8 14,37	4,249	−8·6128	−8·9703	0·6283	9·9900	1015	288	273 M
865	+16 10 0,87*	4,344	+9·1614	−8·7807	0·6379	9·9896		294	275 M
866	+16 18 26,87	4,379	+9·1553	−8·7878	0·6414	9·9894	1020	297	
867	−24 24 52,47*	4,385	+9·9020	+8·9563	0·6419	9·9894		300	585 C
868	−25 11 21,25*	4,477	+9·9074	+8·9780	0·6510	9·9889		303	
869	−28 44 42,79	4,504	+9·9294	+9·0337	0·6536	9·9887	1023	304	
870	+24 27 1,71	4,512	−7·9031	−8·9694	0·6544	9·9887	1021	302	276 M
871	+29 37 10,81*	4,567	−9·0170	−9·0516	0·6596	9·9884		305	
872	+20 48 40,76	4,681	+8·7853	−8·9189	0·6703	9·9878	1024	312	277 M
873	− 3 59 51,01	4,718	+9·6998	+8·2151	0·6738	9·9876	1026	315	
874	+82 42 38,00*	4,747	−9·9586	−9·3710	0·6764	9·9875		292	25 H
875	−27 41 50,14	−4,759	+9·9222	+9·0428	−0·6775	−9·9874	1027	320	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
876	44 Geminor. ω^2	6·7	6 55 3,53	+3,616	−8·2360	+8·8469	+0·5582	−7·8258
877	24 Canis Maj. o^2	4	55 55,38	2,502	8·2449	8·8488	0·3983	+7·8472
878	23 Canis Maj. γ	4	56 3,79	2,711	8·2239	8·8266	0·4332	+7·6477
879	45 Geminor. o	6	58 36,67	3,444	8·2445	8·8271	0·5370	−7·6900
880	63 Aurigæ	5	6 59 57,31	4,135	8·3497	8·9220	0·6165	−8·1541
881	46 Geminor. τ	5	7 0 18,36	3,829	8·3038	8·8734	0·5830	−8·0095
882	47 Geminorum	6	0 49,79	3,729	8·2933	8·8590	0·5715	−7·9523
883	25 Canis Maj. δ	3·4	1 28,65	2,436	8·2940	8·8549	0·3867	+7·9379
884	20 Monocerotis	5·6	1 47,00	2,979	8·2504	8·8090	0·4740	+7·0914
885	48 Geminor. m	6	2 5,92	3,652	8·2921	8·8484	0·5625	−7·9083
886	Canis Maj.	5·6	2 42,80*	2,469	8·2982	8·8500	0·3926	+7·9236
887	22 Monocer. m	4·5	3 10,99	3,063	8·2588	8·8072	0·4862	+5·8387
888	51 Geminorum	5	3 36,26	3,447	8·2798	8·8251	0·5375	−7·7316
889	52 Geminor. n	7	4 17,47	3,671	8·3095	8·8499	0·5648	−7·9382
890	26 Canis Maj.	6	5 15,04	2,452	8·3175	8·8512	0·3895	+7·9541
891	53 Geminor. z	6	5 19,22	3,755	8·3277	8·8608	0·5746	−8·0019
892	64 Aurigæ	5	6 11,78	4,188	8·4019	8·9289	0·6220	−8·2204
893	Geminorum	7	6 59,05*	3,446	8·3016	8·8232	0·5373	−7·7534
894	27 Canis Maj. e^1	4·5	7 19,44	2,443	8·3322	8·8515	0·3878	+7·9750
895	Arg. in pup. I	5	7 42,92*	1,722	8·4501	8·9667	0·2360	+8·3105
896	28 Canis Maj. ω	6	7 54,26	2,431	8·3374	8·8527	0·3858	+7·9866
897	Arg. in pup. L^1	5	8 7,82*	1,795	8·4403	8·9641	0·2542	+8·2890
898	54 Geminor. λ	4·5	8 19,22	3,455	8·3109	8·8234	0·5384	−7·7728
899	Canis Maj.	6	9 46,15*	2,402	8·3531	8·8559	0·3806	+8·0187
900	55 Geminor. δ	3·4	9 57,64	+3,590	8·3355	8·8371	0·5551	−7·9145
901	Piscis Vol. γ	5	10 9,28*	−0,475	8·7736	9·2738	9·6768	+8·7472
902	65 Aurigæ	5	10 39,60	+4,030	8·4041	8·9010	0·6053	−8·1843
903	Argus π	3·4	11 7,58*	2,116	8·4053	8·8991	0·3256	+8·1827
904	29 Canis Maj.	6	11 35,16	2,495	8·3516	8·8425	0·3971	+7·9652
905	30 Canis Maj. d	6	11 39,67	2,485	8·3534	8·8438	0·3953	+7·9736
906	56 Geminor. q	5·6	11 54,66	3,550	8·3425	8·8313	0·5502	−7·8920
907	57 Geminor. A	6	13 6,24	3,670	8·3643	8·8455	0·5646	−7·9962
908	58 Geminorum	7	13 14,05	3,613	8·3579	8·8382	0·5579	−7·9544
909	59 Geminorum	6·7	13 58,00	3,741	8·3791	8·8548	0·5729	−8·0501
910	Canis Maj.	6	7 14 4,99*	+2,462	−8·3707	+8·8456	+0·3912	+8·0059

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
876	+22° 53′ 3″,11	−4″,769	+8·3424	−8·9663	−0·6784	−9·9873	1025	317	278 M
877	−23 35 26,44	4,842	+9·8954	+8·9854	0·6850	9·9869	1029	323	
878	−15 23 14,07	4,854	+9·8293	+8·8080	0·6861	9·9869	1028	325	
879	+16 11 43,32	5,070	+9·1673	−8·8485	0·7050	9·9856	1030	333	280 M
880	+39 35 21,94	5,184	−9·4502	−9·2170	0·7146	9·9850	1032	338	
881	+30 30 58,09	5,213	−9·0645	−9·1208	0·7171	9·9848	1033	341	281 M
882	+27 7 40,00	5,257	−8·7324	−9·0778	0·7208	9·9845	1034	343	
883	−26 7 41,97	5,312	+9·9112	+9·0671	0·7253	9·9842	1042	2	
884	− 3 58 36,76	5,338	+9·6990	+8·2665	0·7274	9·9840	1041	4	
885	+24 24 18,48	5,364	−7·4771	−9·0437	0·7295	9·9839	1038	3	282 M
886	−24 57 40,94*	5,416	+9·9025	+9·0571	0·7337	9·9835		13	603 C
887	− 0 13 4,17	5,456	+9·6415	+7·0148	0·7369	9·9833	1047	15	
888	+16 26 26,19	5,491	+9·1584	−8·8895	0·7397	9·9831	1046	17	283 M
889	+25 10 19,84	5,549	−8·2041	−9·0710	0·7442	9·9827	1049	21	284 M
890	−25 39 41,79	5,630	+9·9069	+9·0851	0·7505	9·9822	1053	31	
891	+28 11 8,37	5,635	−8·8451	−9·1232	0·7509	9·9821	1050	25	
892	+41 10 33,00	5,709	−9·4829	−9·2731	0·7566	9·9816	1052	32	
893	+16 26 17,70*	5,775	+9·1614	−8·9114	0·7615	9·9812		39	286 M
894	−26 3 50,07	5,803	+9·9090	+9·1046	0·7637	9·9810	1059	45	612 C
895	−46 28 46,92*	5,836	+9·9969	+9·3246	0·7661	9·9808			615 C
896	−26 28 55,38	5,852	+9·9106	+9·1146	0·7673	9·9807	1060	51	
897	−44 53 22,01*	5,871	+9·9921	+9·3154	0·7687	9·9805		54	616 C
898	+16 50 24,31	5,887	+9·1399	−8·9299	0·7699	9·9804	1058	50	287 M
899	−27 35 9,74*	6,008	+9·9175	+9·1424	0·7787	9·9796		59	618 C
900	+22 17 15,73	6,024	+8·6021	−9·0568	0·7799	9·9794	1062	57	288 M
901	−70 13 19,24*	6,040	+0·0187	+9·4527	0·7810	9·9793			635 C
902	+37 4 21,76	6,082	−9·3579	−9·2623	0·7840	9·9790	1063	60	
903	−36 47 49,02*	6,121	+9·9628	+9·2623	0·7868	9·9787		68	
904	−24 15 13,55	6,159	+9·8960	+9·1012	0·7895	9·9785	1067	71	
905	−24 38 58,18	6,165	+9·8982	+9·1082	0·7900	9·9784	1069	72	
906	+20 45 25,99	6,186	+8·8388	−9·0390	0·7914	9·9783	1065	69	289 M
907	+25 22 11,41	6,285	−8·1761	−9·1283	0·7983	9·9775	1068	75	290 M
908	+23 15 51,80	6,296	+8·3802	−9·0937	0·7991	9·9774	1070	76	
909	+27 57 29,05	6,357	−8·7924	−9·1723	0·8032	9·9770	1071	83	291 M
910	−25 34 41,18*	−6,367	+9·9031	+9·1372	−0·8039	−9·9769		88	636 C

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
911	60 Geminor. ι	4	7 15 9,45	+3,744	−8·3865	+8·8547	+0·5734	−8·0599
912	1 Canis Min.	6	15 31,23	3,337	8·3435	8·8095	0·5233	−7·6612
913	2 Canis Min. ε	6	16 20,88	3,282	8·3446	8·8055	0·5161	−7·5669
914	Piscis Vol. δ	5	16 53,50*	0,000	8·7612	9·2188	6·3010	+8·7273
915	31 Canis Maj. η	3	17 21,63	2,370	8·4020	8·8568	0·3747	+8·0873
916	63 Geminor. p	6	17 38,47	3,572	8·3777	8·8307	0·5529	−7·9472
917	3 Canis Min. β	3	17 55,21	3,259	8·3519	8·8032	0·5131	−7·5280
918	62 Geminor. ϱ	5	18 9,49	3,858	8·4204	8·8703	0·5864	−8·1460
919	64 Geminor. b^1	5·6	18 43,88	3,750	8·4072	8·8537	0·5740	−8·0853
920	5 Canis Min. η	6	18 53,46	3,229	8·3557	8·8012	0·5090	−7·4587
921	4 Canis Min. γ	5·6	18 54,13*	3,273	8·3579	8·8033	0·5150	−7·5646
922	65 Geminor. b^2	5·6	19 13,30	3,744	8·4090	8·8525	0·5733	−8·0843
923	6 Canis Min. o	5·6	20 19,14	3,343	8·3698	8·8068	0·5241	−7·7000
924	Argus	6	21 14,36*	2,379	8·4218	8·8534	0·3763	+8·1048
925	7 Canis Min. δ^1	6	23 15,74	3,118	8·3749	8·7949	0·4938	−6·9727
926	67 Geminorum	7	23 42,46*	3,426	8·3939	8·8114	0·5348	−7·8342
927	66 Geminor. α	3	23 44,29	3,856	8·4497	8·8670	0·5861	−8·1770
928	Argus σ	4	23 49,88*	1,906	8·5130	8·9298	0·2801	+8·3465
929	68 Geminor. k	5	23 53,94	3,430	8·3953	8·8117	0·5353	−7·8405
930	8 Canis Min. δ^2	5·6	24 16,37	3,148	8·3805	8·7947	0·4980	−7·1839
931	Geminorum	7	24 19,92*	3,827	8·4483	8·8622	0·5828	−8·1642
932	9 Canis Min. δ^3	6	25 19,90	3,149	8·3857	8·7940	0·4982	−7·1995
933	69 Geminor. υ	5	25 26,32	3,709	8·4364	8·8442	0·5693	−8·0974
934	Geminorum	7	27 5,02*	3,533	8·4217	8·8203	0·5481	−7·9667
935	Arg. in pup. n^1	6	27 7,55*	2,539	8·4297	8·8281	0·4046	+8·0235
936	Arg. in pup. n^2	6	27 8,65*	2,539	8·4298	8·8281	0·4046	+8·0236
937	Arg. in pup. p	5·6	28 33,52*	2,410	8·4542	8·8447	0·3820	+8·1257
938	25 Monocerotis	6	28 48,98	2,987	8·4022	8·7914	0·4753	+7·2164
939	Geminorum	7	29 ——*	3,853	8·4757	8·8637	0·5858	−8·2046
940	74 Geminor. f	6	29 39,22	3,471	8·4271	8·8117	0·5404	−7·9184
941	10 Canis Min. α	1·2	30 23,85	3,143*	8·4107	8·7913	0·4973	−7·4043
942	Arg. in pup. m	6	31 13,09*	2,494	8·4549	8·8312	0·3969	+8·0806
943	75 Geminor. σ	6	32 40,30	3,757	8·4782	8·8468	0·5748	−8·1676
944	26 Monocer. n	4·5	33 7,28	2,870	8·4263	8·7926	0·4579	+7·6282
945	Geminorum	7	7 33 13,85*	+3,584	−8·4566	+8·8222	+0·5543	−8·0447

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of				Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
			a'	*b'*	*c'*	*d'*			
911	+28° 7′ 44″,26	−6″,456	−8·7993	−9·1814	−0·8099	−9·9762	1072	90	293 M
912	+11 59 42,92	6,486	+9·3579	−8·82[illegible]	0·8119	9·9760	1074	91	
913	+ 9 36 15,58	6,554	+9·4314	−8·7369	0·8165	9·9754	1075	94	
914	−67 38 38,60*	6,599	+0·0162	+9·4836	0·8195	9·9750			646 C
915	−28 58 35,57	6,638	+9·9227	+9·2053	0·8220	9·9748	1081	104	
916	+21 47 8,57	6,661	+8·7243	−9·0911	0·8235	9·9746	1077	101	295 M
917	+ 8 37 33,34	6,684	+9·4594	−8·6991	0·8250	9·9744	1079	106	
918	+32 6 52,82	6,703	−9·1239	−9·2499	0·8263	9·9742	1078	105	296 M
919	+28 27 37,88	6,751	−8·8261	−9·2055	0·8293	9·9739	1080	107	297 M
920	+ 7 16 58,76	6,764	+9·4942	−8·6313	0·8302	9·9737	1084	110	
921	+ 9 15 45,49	6,765	+9·4409	−8·7350	0·8302	9·9737	1083	109	
922	+28 15 36,66	6,791	−8·7993	−9·2053	0·8319	9·9735	1082	111	298 M
923	+12 21 7,17	6,881	+9·3483	−8·8660	0·8377	9·9728	1085	117	
924	−28 48 51,75*	6,957	+9·9201	+9·2235	0·8424	9·9721		122	648 C
925	+ 2 16 11,24	7,122	+9·5988	−8·1484	0·8526	9·9707	1088	126	
926	+15 59 52,51	7,159	+9·2041	−8·9932	0·8548	9·9704	1089	129	
927	+32 15 10,87	7,161	−9·1173	−9·2803	0·8550	9·9703	1087	128	299 M
928	−42 57 44,42*	7,169	+9·9795	+9·3870	0·8554	9·9703		135	655 C
929	+16 11 11,59	7,174	+9·1959	−8·9991	0·8558	9·9702	1091	131	300 M
930	+ 3 38 46,97	7,205	+9·5729	−8·3591	0·8576	9·9700	1092	134	
931	+31 19 19,69*	7,210	−9·0569	−9·2718	0·8579	9·9699	1090		
932	+ 3 44 4,28	7,291	+9·5705	−8·3746	0·8628	9·9692	1095	139	
933	+27 16 1,24	7,300	−8·6128	−9·2224	0·8633	9·9691	1094	138	301 M
934	+20 32 1,32*	7,434	+8·9031	−9·1143	0·8712	9·9679		144	
935	−23 6 29,39*	7,437	+9·8825	+9·1633	0·8714	9·9678		147	656 C
936	−23 6 32,93*	7,439	+9·8825	+9·1634	0·8715	9·9678		149	
937	−27 59 51,85*	7,553	+9·9128	+9·2478	0·8781	9·9667		163	661 C
938	− 3 44 17,40	7,574	+9·6928	+8·3916	0·8793	9·9665	1102	162	
939	+32 23 32,33*	7,591	−9·1139	−9·3073	0·8803	9·9664	1101		
940	+18 3 17,95	7,642	+9·1004	−9·0725	0·8832	9·9659	1103	166	305 M
941	+ 5 39 19,89	8,682*	+9·5328	−8·5783	0·9386	9·9653	1106	168	306 M
942	−24 59 2,56*	7,768	+9·8932	+9·2141	0·8903	9·9647		173	663 C
943	+29 17 15,38	7,885	−8·8513	−9·2843	0·8968	9·9635	1108	178	308 M
944	− 9 9 35,26	7,921	+9·7589	+8·7988	0·8988	9·9631	1110	181	
945	+22 47 34,53*	−7,930	+8·6435	−9·1855	−0·8993	−9·9630		179	309 M

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
946	76 Geminor. *c*	6	7 33 43,95	+3,671	−8·4705	+8·8335	+0·5648	−8·1151
947	77 Geminor. *x*	4	34 9,78	3,634	8·4673	8·8282	0·5604	−8·0900
948	78 Geminor. *β*	2	34 53,78	3,682*	8·4843	8·8414	0·5661	−8·1620
949	79 Geminorum	7	35 10,32	3,530	8·4587	8·8144	0·5478	−8·0074
950	1 Argus	6	35 46,87*	2,474	8·4785	8·8310	0·3933	+8·1196
951	81 Geminor. *g*	6	36 16,11	3,486	8·4585	8·8085	0·5423	−7·9693
952	Argus	5·6	36 40,20	2,420	8·4902	8·8382	0·3837	+8·1619
953	11 Canis Min. *π*	6	36 54,18	3,309	8·4454	8·7922	0·5197	−7·7328
954	3 Argus	5	36 58,86	2,405	8·4937	8·8401	0·3811	+8·1731
955	4 Argus	5·6	38 6,75	2,761	8·4555	8·7962	0·4411	+7·8439
956	82 Geminor. B	7	38 22,59	3,598	8·4810	8·8204	0·5560	−8·0826
957	Arg. in pup. *c*	4	39 12,15*	2,135	8·5475	8·8828	0·3294	+8·3325
958	Arg. in pup. *o*	5·6	41 0,89*	2,491	8·4985	8·8249	0·3964	+8·1328
959	6 Argus	5·6	42 1,37	2,704	8·4769	8·7983	0·4320	+7·9379
960	Geminorum	7	42 2,94*	3,501	8·4844	8·8057	0·5442	−8·0133
961	7 Argus *ξ*	4	42 8,69	2,520	8·4992	8·8200	0·4014	+8·1159
962	13 Canis Min. *ζ*	5·6	42 52,55	3,114	8·4617	8·7789	0·4933	−7·0447
963	83 Geminor. *φ*	5	43 4,51	3,686	8·5130	8·8293	0·5666	−8·1730
964	9 Argus	5	43 53,65	2,781	8·4774	8·7897	0·4442	+7·8441
965	Arg. in pup. P	4·5	44 3,71*	1,827	8·6238	8·9353	0·2617	+8·4804
966	10 Argus	6	44 29,02	2,760	8·4815	8·7910	0·4409	+7·8776
967	85 Geminor. *l*	6·7	45 44,06	3,511	8·5003	8·8039	0·5455	−8·0411
968	Canis Min.	6	46 17,04*	3,264	8·4803	8·7812	0·5137	−7·6891
969	Arg. in pup. *b*	5	46 37,41*	2,121	8·5818	8·8811	0·3265	+8·3753
970	1 Cancri	6	47 19,53	3,415	8·4961	8·7921	0·5334	−7·9427
971	Arg. in pup. R	5	48 18,56*	1,762	8·6538	8·9452	0·2461	+8·5225
972	Cancri	7	48 48,86*	3,431	8·5033	8·7923	0·5354	−7·9685
973	14 Canis Min.	6	49 31,42	3,123	8·4870	8·7728	0·4946	−7·1555
974	11 Argus	5·6	49 33,23	2,578	8·5209	8·8064	0·4113	+8·1024
975	Cancri	7	50 4,99*	3,357	8·5011	8·7843	0·5259	−7·8755
976	2 Cancri ω^1	6	50 37,53	3,641	8·5364	8·8170	0·5613	−8·1759
977	Argus	6	50 52,95*	2,388	8·5535	8·8329	0·3781	+8·2509
978	3 Cancri	6	51 2,05	3,447	8·5133	8·7920	0·5374	−7·9977
979	4 Cancri ω^2	6·7	51 27,62*	3,633	8·5382	8·8151	0·5602	−8·1731
980	12 Argus	6	7 51 47,56	+2,571	−8·5303	+8·8056	+0·4100	+8·1195

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
981	5 Cancri *r*	6	7 51 47,95	+3,427	−8·5140	+8·7893	+0·5349	−7·9779
982	Argus χ	3	52 27,28*	1,530	8·7130	8·9852	0·1848	+8·6126
983	28 Monocer. *p*	5·6	52 33,69	3,049	8·4976	8·7693	0·4841	+6·7062
984	6 Cancri	5·6	53 3,49	3,701	8·5544	8·8239	0·5683	−8·2297
985	13 Argus	5	53 25,06	3,125	8·5011	8·7689	0·4949	−7·1894
986	8 Cancri	6	55 35,74	3,351	8·5204	8·7785	0·5252	−7·8917
987	27 Lyncis *k*	5	55 37,86	4,564	8·7187	8·9766	0·6594	−8·6152
988	55 Camelopardi	5	55 45,98*	6,107	8·9534	9·2107	0·7858	−8·9235
989	9 Cancri μ^1	6	56 13,19	3,567	8·5466	8·8018	0·5523	−8·1405
990	Argus ζ	3	57 36,52*	2,108	8·6277	8·8768	0·3238	+8·4315
991	10 Cancri μ^2	6·7	57 44,76	3,540	8·5484	8·7969	0·5490	−8·1233
992	11 Cancri	7	58 25,14	3,685	8·5716	8·8171	0·5664	−8·2427
993	12 Cancri *s*	6	7 59 11,89	3,360	8·5336	8·7757	0·5263	−7·9212
994	29 Monocerotis	5·6	8 0 2,69	3,018	8·5235	8·7618	0·4797	+7·1621
995	15 Argus	3·4	0 17,82	2,558	8·5625	8·7998	0·4078	+8·1687
996	16 Argus	5·6	1 25,03	2,677	8·5512	8·7836	0·4276	+8·0583
997	Cancri	7	1 59,76*	3,278	8·5364	8·7663	0·5156	−7·7896
998	16 Cancri ζ	6	2 27,05	3,445	8·5530	8·7809	0·5372	−8·0466
999	15 Cancri ψ^3	6	2 35,14	3,696*	8·5944	8·8217	0·5677	−8·2955
1000	18 Argus	6	2 47,15	2,796	8·5437	8·7702	0·4466	+7·9056
1001	19 Argus	6	3 17,19	2,815	8·5438	8·7681	0·4495	+7·8766
1002	Argus γ^1	5	4 15,20*	1,847	8·7015	8·9217	0·2665	+8·5646
1003	Argus γ^2	2	4 17,80*	1,848	8·7016	8·9216	0·2666	+8·5646
1004	Cancri	7	4 26,57*	3,444	8·5594	8·7787	0·5370	−8·0536
1005	20 Argus	5	5 30,92	2,756	8·5561	8·7709	0·4403	+7·9770
1006	Argus	5	5 41,01*	2,024	8·6733	8·8873	0·3062	+8·5028
1007	Arg. in pup. *r*	5	7 4,52*	2,261	8·6340	8·8421	0·3543	+8·3968
1008	17 Cancri β	4	7 17,04	3,262	8·5522	8·7594	0·5135	−7·7789
1009	Piscis Vol. ε	5	7 20,64*	0,242	8·9748	9·1818	9·3829	+8·9423
1010	21 Argus	6	9 35,25*	2,750	8·5695	8·7671	0·4393	+8·0036
1011	18 Cancri χ	6	9 43,05	3,662	8·6064	8·8034	0·5637	−8·2746
1012	19 Cancri λ	6	10 24,57	3,582	8·5965	8·7906	0·5541	−8·2151
1013	Cancri	6·7	10 24,89*	3,506	8·5860	8·7801	0·5449	−8·1458
1014	31 Lyncis *m*	5	11 9,71	4,142	8·6986	8·8896	0·6173	−8·5382
1015	Arg. in pup. *q*	4·5	8 12 12,06*	+2,250	−8·6534	+8·8400	+0·3522	+8·4240

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946	+26° 10′ 57″,07	−7″,970	−8·2041	−9·2442	−0·9015	−9·9626	1109	183	310 M
947	+24 47 53,31	8,005	+7·9542	−9·2241	0·9034	9·9623	1111	184	311 M
948	+28 25 45,27	8,064	−8·7324	−9·2823	0·9065	9·9617	1112	191	312 M
949	+20 43 1,07	8,086	+8·9138	−9·1545	0·9077	9·9614	1113	192	
950	−25 57 6,78	8,135	+9·8976	+9·2495	0·9103	9·9609	1116	195	
951	+18 55 5,66	8,174	+9·0607	−9·1213	0·9124	9·9605	1115	194	313 M
952	−28 0 39,24	8,206	+9·9090	+9·2839	0·9141	9·9602	1118	200	677 C
953	+11 10 37,41	8,224	+9·3962	−8·9006	0·9151	9·9600	1117	198	
954	−28 33 10,49*	8,230	+9·9122	+9·2929	0·9154	9·9599	1120	201	678 C
955	−14 9 19,56	8,320	+9·8082	+9·0066	0·9201	9·9589	1122	210	
956	+23 33 16,19	8,341	+8·5441	−9·2209	0·9212	9·9587	1119	207	
957	−37 33 37,96*	8,407	+9·9528	+9·4077	0·9246	9·9580		214	683 C
958	−25 31 10,66*	8,551	+9·8932	+9·2643	0·9320	9·9564		220	686 C
959	−16 48 0,54	8,630	+9·8299	+9·0950	0·9360	9·9555	1129	229	
960	+19 45 13,78*	8,632	+9·0128	−9·1631	0·9361	9·9554		224	314 M
961	−24 26 16,19	8,640	+9·8854	+9·2512	0·9365	9·9554	1132	230	691 C
962	+ 2 11 38,48	8,698	+9·6021	−8·2204	0·9394	9·9547	1131	234	
963	+27 11 52,51	8,713	−8·4150	−9·2982	0·9402	9·9545	1128	233	315 M
964	−13 27 10,88	8,778	+9·8000	+9·0081	0·9434	9·9538	1134	240	
965	−45 56 54,67*	8,791	+9·9768	+9·4986	0·9440	9·9536		244	698 C
966	−14 24 48,69	8,824	+9·8082	+9·0398	0·9457	9·9532	1136	243	
967	+20 19 35,11	8,922	+8·9823	−9·1893	0·9505	9·9520	1137	246	316 M
968	+ 9 18 29,54*	8,965	+9·4518	−8·8594	0·9526	9·9515		249	10 H
969	−38 25 34,53*	8,992	+9·9518	+9·4453	0·9538	9·9512		254	706 C
970	+16 14 19,42	9,047	+9·2227	−9·1011	0·9565	9·9505	1138	255	
971	−47 39 49,66*	9,123	+9·9777	+9·5270	0·9601	9·9496			713 C
972	+16 58 11,11*	9,163	+9·1903	−9·1252	0·9620	9·9491		261	
973	+ 2 40 16,73	9,218	+9·5944	−8·3311	0·9646	9·9484	1139	265	
974	−22 25 49,87	9,220	+9·8692	+9·2443	0·9647	9·9484	1141	266	
975	+13 41 53,70*	9,261	+9·3263	−9·0391	0·9667	9·9478		267	
976	+25 51 3,98	9,303	+7·6990	−9·3062	0·9686	9·9473	1140	270	317 M
977	−29 52 55,32*	9,323	+9·9122	+9·3650	0·9696	9·9471		277	716 C
978	+17 46 5,54*	9,335	+9·1553	−9·1527	0·9701	9·9469	1143	275	
979	+25 33 2,16	9,368	+8·0414	−9·3045	0·9716	9·9465	1144	276	
980	−22 51 5,28	−9,393	+9·8710	+9·2601	−0·9728	−9·9461	1150	281	

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
981	+16° 55′ 5″,01	− 9″,394	+9·1985	−9·1348	−0·9728	−9·9461	1146	279	
982	−52 31 50,64*	9,445	+9·9841	+9·5729	0·9752	9·9455			721 C
983	− 0 55 35,40	9,453	+9·6513	+7·8823	0·9756	9·9454	1151	284	
984	+28 15 48,93	9,491	−8·5441	−9·3507	0·9773	9·9449	1149	285	318 M
985	+ 2 47 47,56	9,519	+9·5911	−8·3650	0·9786	9·9445	1153	289	
986	+13 35 52,04	9,686	+9·3345	−9·0554	0·9861	9·9422	1156	296	319 M
987	+51 59 9,00	9,689	−9·6263	−9·5808	0·9863	9·9422	1154	294	
988	+68 57 ——*	9,699	−9·8202	−9·6548	0·9867	9·9421	1148		
989	+23 6 53,41	9,734	+8·7482	−9·2802	0·9883	9·9416	1157	298	
990	−39 31 40,81*	9,840	+9·9489	+9·4948	0·9930	9·9401		306	729 C
991	+22 4 9,22	9,850	+8·8751	−9·2664	0·9934	9·9400	1161	304	321 M
992	+27 58 5,61	9,901	−8·3979	−9·3649	0·9957	9·9392	1162	307	
993	+14 7 48,38	9,960	+9·3201	−9·0839	0·9983	9·9384	1165	310	
994	− 2 29 39,21	10,025	+9·6739	+8·3378	1·0011	9·9375	1168	316	
995	−23 49 4,68	10,044	+9·8727	+9·3061	1·0019	9·9372	1170	320	731 C
996	−18 45 10,16	10,128	+9·8376	+9·2107	1·0055	9·9360	1174	1	
997	+10 19 10,87*	10,172	+9·4362	−8·9586	1·0074	9·9353		3	328 M
998	+18 9 15,29	10,206	+9·1584	−9·2005	1·0089	9·9348	1175	5	326 M
999	+30 9 31,78	10,216	−8·7559	−9·4084	1·0093	9·9347	1173	4	325 M
1000	−13 18 10,86	10,232	+9·7924	+9·0699	1·0099	9·9344	1176	9	
1001	−12 25 39,56	10,269	+9·7846	+9·0424	1·0115	9·9339	1177	11	
1002	−46 50 51,98*	10,342	+9·9647	+9·5757	1·0146	9·9328			81 Fa.
1003	−46 50 22,98*	10,345	+9·9647	+9·5758	1·0147	9·9327			737 C
1004	+18 10 55,04*	10,356	+9·1614	−9·2074	1·0152	9·9326		14	329 M
1005	−15 16 47,85	10,436	+9·8089	+9·1374	1·0185	9·9313	1179	18	
1006	−42 29 1,35*	10,449	+9·9523	+9,5467	1·0191	9·9311		22	741 C
1007	−35 23 23,33*	10,552	+9·9274	+9·4842	1·0233	9·9295		31	743 C
1008	+ 9 42 14,07	10,568	+9·4548	−8·9488	1·0240	9·9293	1180	28	330 M
1009	−68 7 8,42*	10,572	+9·9777	+9·6897	1·0242	9·9292			749 C
1010	−15 45 51,26*	10,738	+9·8109	+9·1630	1·0309	9·9265	1184		
1011	+27 45 41,52	10,748	−7·9542	−9·3976	1·0313	9·9264	1181	37	332 M
1012	+24 33 3,49	10,799	+8·6532	−9·3500	1·0334	9·9255	1182	41	333 M
1013	+21 16 40,93*	10,799	+8·9912	−9·2912	1·0334	9·9255		42	
1014	+43 43 33,71	10,854	−9·4265	−9·5733	1·0356	9·9246	1183	43	
1015	−36 8 12,21*	−10,931	+9·9269	+9·5073	−1·0386	−9·9233		47	750 C

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					a	*b*	*c*	*d*
			h m s	s				
1016	20 Cancri d^1	6	8 13 37,54	+3,449	−8·5887	+8·7695	+0·5377	−8·0985
1017	21 Cancri f	7	14 36,57	3,288	8·5759	8·7526	0·5169	−7·8632
1018	22 Argus	6	14 47,32	2,821	8·5785	8·7545	0·4504	+7·9143
1019	Argus	6	15 38,95*	2,532	8·6161	8·7886	0·4034	+8·2550
1020	1 Ursæ Maj. o	4·5	16 3,29	5,089	8·8899	9·0606	0·7066	−8·8328
1021	1 Hydræ	6	16 5,85	3,006	8·5724	8·7430	0·4780	+7·3199
1022	22 Cancri φ^1	6·7	16 6,01	3,668	8·6276	8·7982	0·5644	−8·3056
1023	25 Cancri d^2	6	16 11,50	3,419	8·5928	8·7631	0·5339	−8·0734
1024	23 Cancri φ^2	6	16 29,16	3,643	8·6248	8·7939	0·5615	−8·2890
1025	24 Cancri υ^1	7	16 32,46	3,586	8·6160	8·7848	0·5546	−8·2434
1026	Cancri	6	16 47,37*	3,226	8·5780	8·7458	0·5086	−7·7276
1027	30 Monocer. q	5·6	17 9,59	3,003	8·5755	8·7417	0·4776	+7·3430
1028	27 Cancri e	6·7	17 19,16	3,327	8·5868	8·7524	0·5221	−7·9457
1029	Argus	6	17 42,84*	2,589	8·6138	8·7779	0·4131	+8·2145
1030	2 Hydræ	6	17 57,25	3,002	8·5777	8·7407	0·4774	+8·3551
1031	28 Cancri υ^2	6·7	18 30,71	3,574	8·6291	8·7809	0·5531	−8·2412
1032	Argus ε	2	19 1,14*	1,243	8·8076	9·0263	0·0946	+8·8005
1033	29 Cancri	6	19 7,38	3,357	8·5947	8·7530	0·5260	−8·0011
1034	30 Cancri υ^3	6·7	21 26,42	3,568	8·6279	8·7768	0·5524	−8·2481
1035	31 Cancri θ	5·6	21 52,97	+3,436	8·6110	8·7582	+0·5360	−8·1162
1036	Chamæl. α	5	22 46,70*	−1,411	9·2180	9·3616	−0·1496	+9·2056
1037	33 Cancri η	6	22 51,80	+3,485	8·6200	8·7633	+0·5422	−8·1746
1038	34 Cancri h	6·7	23 24,03	+3,271	8·5991	8·7402	+0·5147	−7·8653
1039	Piscis Vol. η	5	23 31,16*	−0,441	9·1223	9·2630	−9·6442	+9·1025
1040	Piscis Vol. β	5	23 43,56*	+0,686	8·9758	9·1157	+9·8366	+8·9351
1041	Monocerotis	6	23 52,09*	2,696	8·6171	8·7564	0·4306	+8·1300
1042	4 Ursæ Maj. π^2	5	25 15,34	+5,368	8·9690	9·1027	+0·7298	−8·9260
1043	Chamæl. θ	5	25 34,14*	−1,566	9·2429	9·3754	−0·1949	+9·2315
1044	Hydræ	6	26 48,22*	+3,204	8·6038	8·7314	+0·5056	−7·7024
1045	36 Cancri c^1	7	27 52,01	3,261	8·6100	8·7334	0·5133	−7·8599
1046	4 Hydræ δ	4	28 38,63	3,185	8·6076	8·7280	0·5032	−7·6474
1047	5 Hydræ σ	5	29 51,78	3,141	8·6090	8·7246	0·4971	−7·4453
1048	38 Cancri o	7	29 55,85*	3,462	8·6362	8·7515	0·5393	−8·1779
1049	Cancri	7	30 4,50*	3,457	8·6359	8·7507	0·5386	−8·1728
1050	39 Cancri	6	8 30 18,70	+3,466	−8·6378	+8·7516	+0·5398	−8·1842

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1016	+18° 52′ 17″,61	−11″,035	+9·1492	−9·2506	−1·0428	−9·9216	1185	50	334 M
1017	+11 10 30,32	11,107	+9·4232	−9·0310	1·0456	9·9203	1187	53	
1018	−12 30 47,54	11,120	+9·7810	+9·0799	1·0461	9·9201	1189	55	
1019	−25 48 28,51*	11,182	+9·8762	+9·3854	1·0485	9·9190		60	754 C
1020	+61 16 35,16	11,212	−9·7143	−9·6907	1·0497	9·9185	1186	57	
1021	− 3 12 17,75	11,215	+9·6803	+8·4953	1·0498	9·9184	1194	63	
1022	+28 26 48,24	11,215	−8·1139	−9·4258	1·0498	9·9184	1190	59	335 M
1023	+17 36 0,41	11,222	+9·2122	−9·2286	1·0501	9·9183	1192	62	336 M
1024	+27 29 0,08	11,243	+7·4771	−9·4131	1·0509	9·9180	1191	64	337 M
1025	+25 5 9,06	11,247	+8·6232	−9·3764	1·0510	9·9179	1193	65	338 M
1026	+ 8 6 45,28*	11,265	+9·4955	−8·8993	1·0517	9·9176		67	12 H
1027	− 3 21 22,55	11,292	+9·6821	+8·5183	1·0528	9·9171	1197	69	
1028	+13 12 34,50	11,303	+9·3692	−9·1102	1·0532	9·9169	1196	68	
1029	−23 29 57,97*	11,332	+9·8615	+9·3530	1·0543	9·9164		72	756 C
1030	− 3 26 0,71	11,349	+9·6830	+9·5304	1·0550	9·9161	1199	73	
1031	+24 42 9,54	11,389	+8·6990	−9·3756	1·0565	9·9153	1198	76	339 M
1032	−58 57 59,94*	11,426	+9·9675	+9·6888	1·0579	9·9147			761 C
1033	+14 46 7,74	11,433	+9·3243	−9·1626	1·0582	9·9145	1200	77	
1034	+24 38 54,59	11,599	+8·7324	−9·3827	1·0644	9·9114	1201	84	342 M
1035	+18 39 48,32	11,630	+9·1761	−9·2688	1·0656	9·9108	1203	85	343 M
1036	−76 22 53,20*	11,694	+9·9499	+9·7536	1·0680	9·9096			770 C
1037	+21 0 44,87	11,700	+9·0569	−9·3208	1·0682	9·9095	1207	88	346 M
1038	+10 38 13,75	11,738	+9·4425	−9·0339	1·0696	9·9088	1209	91	
1039	−72 51 8,50*	11,747	+9·9552	+9·7482	1·0699	9·9086			769 C
1040	−65 34 4,62*	11,761	+9·9624	+9·7278	1·0705	9·9083			768 C
1041	−19 0 28,74*	11,771	+9·8287	+9·2817	1·0708	9·9081		95	
1042	+64 54 41,73	11,869	−9·7372	−9·7294	1·0744	9·9062	1206	96	
1043	−76 56 2,40*	11,891	+9·9455	+9·7619	1·0752	9·9058			774 C
1044	+ 7 12 33,01*	11,978	+9·5185	−8·8751	1·0784	9·9040		108	
1045	+10 14 25,95	12,053	+9·4548	−9·0290	1·0811	9·9025	1213	111	352 M
1046	+ 6 17 31,91	12,107	+9·5366	−8·8209	1·0830	9·9014	1217	114	
1047	+ 3 55 59,25	12,192	+9·5786	−8·6204	1·0861	9·8997	1221	123	
1048	+20 22 15,26	12,196	+9·1173	−9·3260	1·0862	9·8996	1220	122	354 M
1049	+20 8 3,98*	12,206	+9·1271	−9·3215	1·0866	9·8994		124	355 M
1050	+20 36 8,88	−12,223	+9·1038	−9·3316	−1·0872	−9·8990	1222	126	356 M

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1051	40 Cancri	6	8 30 24,24	+3,465	−8·6380	+8·7514	+0·5397	−8·1836
1052	Cancri	7	30 35,72*	3,459	8·6376	8·7503	0·5389	−8·1771
1053	Pixid. Naut. η	6	30 36,38*	2,560	8·6550	8·7676	0·4082	+8·2915
1054	41 Cancri ε	6·7	30 ——*	3,456	8·6374	8·7498	0·5386	−8·1743
1055	Cancri	6·7	30 41,33*	3,456	8·6375	8·7498	0·5386	−8·1744
1056	Arg. in vel. e^1	5	31 40,16*	2,106	8·7441	8·8526	0·3234	+8·5729
1057	6 Hydræ	5·6	31 57,83	2,847	8·6226	8·7299	0·4543	+7·9361
1058	Cancri	7	32 3,22	3,461	8·6417	8·7487	0·5392	−8·1855
1059	Pixid. Naut.	6	32 39,06*	2,487	8·6728	8·7775	0·3956	+8·3579
1060	43 Cancri γ	5	33 25,84	3,493	8·6498	8·7514	0·5432	−8·2247
1061	Pixid. Naut. β	5	33 26,46*	2,342	8·7018	8·8034	0·3696	+8·4572
1062	45 Cancri A^1	6·7	33 49,42	3,315	8·6294	8·7295	0·5205	−7·9908
1063	9 Hydræ	6	33 49,83*	2,781	8·6334	8·7334	0·4442	+8·0558
1064	7 Hydræ η	5	34 19,88	3,141	8·6199	8·7180	0·4971	−7·4639
1065	Arg. in vel. b	5	34 59,31*	1,987	8·7790	8·8746	0·2982	+8·6363
1066	47 Cancri δ	4·5	35 0,51	3,422	8·6442	8·7397	0·5343	−8·1518
1067	Argus o	4	35 25,72*	1,721	8·8352	8·9291	0·2357	+8·7337
1068	49 Cancri b	6·7	35 30,40	3,264	8·6292	8·7228	0·5138	−7·8976
1069	48 Cancri ι	5·6	36 23,39	3,652	8·6835	8·7736	0·5625	−8·3741
1070	Pixid. Naut. α	4·5	36 45,84*	2,406	8·6989	8·7876	0·3813	+8·4301
1071	Arg. in car. d	5	36 51,38*	1,334	8·9149	9·0032	0·1253	+8·8487
1072	50 Cancri A^2	6	37 35,90	3,301	8·6373	8·7227	0·5187	−7·9804
1073	11 Hydræ ε	4	37 45,86	3,195	8·6302	8·7150	0·5045	−7·7183
1074	12 Hydræ	6	38 20,22	2,832	8·6393	8·7219	0·4520	+7·9892
1075	Hydræ	6	38 37,93*	3,045	8·6290	8·7104	0·4836	+6·9777
1076	13 Hydræ ρ	5	39 25,13	3,184	8·6334	8·7119	0·5030	−7·6847
1077	Argus δ	3	40 0,60*	1,655	8·8637	8·9399	0·2187	+8·7722
1078	Arg. in vel. a	5	40 16,00*	2,030	8·7863	8·8615	0·3075	+8·6390
1079	14 Hydræ B	5·6	40 48,39	3,018	8·6343	8·7074	0·4797	+7·3256
1080	Cancri	7	41 1,71*	3,412	8·6577	8·7299	0·5330	−8·1621
1081	Cancri	7	41 4,03*	3,428	8·6599	8·7320	0·5351	−8·1826
1082	54 Cancri	6·7	41 32,26	3,359	8·6525	8·7228	0·5263	−8·0923
1083	55 Cancri ρ^2	6	42 26,95	3,630	8·6955	8·7623	0·5599	−8·3807
1084	Pixid. Naut.	6	42 54,31*	2,511	8·6959	8·7610	0·3998	+8·3792
1085	Pixid. Naut. γ	6	8 43 19,32*	+2 551	−8·6898	+8·7532	+0·4067	+8·3481

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1051	+20° 33′ 59″,12	−12″,229	+9·1072	−9·3311	−1·0874	−9·8989	1223	127	358 M
1052	+20 15 51,02	12,242	9·1239	−9·3254	1·0879	9·8986	1224	129	359 M
1053	−25 39 50,69*	12,243	9·8657	+9·4225	1·0879	9·8986		133	
1054	+20 8 23,11*	12,247	9·1271	−9·3230	1·0880	9·8985	1225		
1055	+20 8 24,70*	12,249	9·1271	−9·3231	1·0881	9·8985		130	360 M
1056	−42 23 51,94*	12,317	9·9309	+9·6174	1·0905	9·8970		139	776 C
1057	−11 52 46,25	12,337	9·7686	+9·1028	1·0912	9·8966	1229	138	
1058	+20 28 26,16*	12,343	9·1173	−9·3333	1·0914	9·8965	1228	136	363 M
1059	−28 57 33,87*	12,384	9·8813	+9·4759	1·0929	9·8956		140	777 C
1060	+22 4 29,66	12,438	9·0294	−9·3678	1·0947	9·8944	1230	142	364 M
1061	−34 42 32,98*	12,439	9·9047	+9·5482	1·0948	9·8944		145	780 C
1062	+13 17 6,75	12,465	9·3838	−9·1551	1·0957	9·8938	1232	144	365 M
1063	−15 20 10,21	12,465	9·7966	+9·2161	1·0957	9·8938	1234	146	
1064	+ 4 0 12,64	12,499	9·5775	−8·6389	1·0969	9·8930	1235	147	
1065	−46 2 48,54*	12,544	9·9355	+9·6538	1·0984	9·8920		155	783 C
1066	+18 46 25,09	12,546	9·2041	−9·3042	1·0985	9·8920	1236	150	366 M
1067	−52 19 17,36*	12,574	9·9450	+9·6960	1·0995	9·8914			786 C
1068	+10 41 30,59	12,580	+9·4502	−9·0661	1·0997	9·8913	1237	154	367 M
1069	+29 22 33,31	12,640	−9·4771	−9·4905	1·1017	9·8899	1239	158	368 M
1070	−32 34 40,96*	12,665	+9·8938	+9·5318	1·1026	9·8893		162	788 C
1071	−59 9 27,96*	12,671	9·9484	+9·7347	1·1028	9·8892			791 C
1072	+12 43 46,85	12,722	9·4031	−9·1457	1·1045	9·8880	1242	163	369 M
1073	+ 7 2 11,90	12,733	9·5263	−8·8911	1·1049	9·8878	1243	164	
1074	−12 55 51,79	12,771	9·7745	+9·1541	1·1062	9·8869	1244	166	
1075	− 1 16 45,03*	12,791	9·6542	+8·1537	1·1069	9·8864		167	
1076	+ 6 27 38,76	12,844	9·5378	−8·8580	1·1087	9·8852	1248	172	
1077	−54 5 26,22*	12,884	9·9420	+9·7165	1·1100	9·8842			796 C
1078	−45 25 22,84*	12,901	9·9294	+9·6613	1·1106	9·8838		176	794 C
1079	− 2 48 57,21	12,937	9·6730	+8·5012	1·1118	9·8830	1249	177	
1080	+18 37 47,62*	12,952	9·2227	−9·3148	1·1123	9·8826		179	371 M
1081	+19 27 38,55*	12,955	9·1903	−9·3331	1·1124	9·8825		180	372 M
1082	+15 58 40,71	12,986	9·3160	−9·2513	1·1135	9·8818	250	182	373 M
1083	+28 58 26,02	13,046	8·0792	−9·4988	1·1155	9·8803	1254	186	
1084	−28 50 3,56*	13,077	9·8722	+9·4978	1·1165	9·8796			800 C
1085	−27 5 0,59*	−13,104	+9·8633	+9·4737	−1·1174	−9·8789		193	802 C

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					a	*b*	*c*	*d*
			h m s	s				
1086	Cancri	7	8 43 36,49*	+3,396	−8·6618	+8·7241	+0·5310	−8·1519
1087	58 Cancri ρ^4	6	45 27,27	3,614	8·7004	8·7557	0·5580	−8·3800
1088	Cancri	7	45 47,55*	3,391	8·6662	8·7202	0·5303	−8·1532
1089	16 Hydræ ξ	4	46 24,61	3,183	8·6489	8·7006	0·5029	−7·7086
1090	60 Cancri α^1	6	46 37,93	+3,285	8·6566	8·7073	+0·5165	−7·9840
1091	Chamæl. η	5	46 53,70*	−1,767	9·3417	9·3915	−0·2472	+9·3327
1092	9 Ursæ Maj. ι	3·4	47 31,29	+4,131*	8·8289	8·8763	+0·6160	−8·7047
1093	62 Cancri o^1	6	47 45,04	3,352	8·6660	8·7125	0·5254	−8·1055
1094	63 Cancri o^2	6	48 4,36	3,357	8·6672	8·7125	0·5259	−8·1135
1095	Pixid. Naut. δ	6	48 13,51*	+2,562	8·7001	8·7448	+0·4085	+8·3576
1096	Chamæleontis	5	48 47,34*	−1,775	9·3494	9·3920	−0·2491	+9·3406
1097	65 Cancri α^2	5	49 10,67	+3,287	8·6623	8·7034	+0·5168	−7·9980
1098	Cancri	7	49 33,82*	3,404	8·6765	8·7161	0·5320	−8·1845
1099	Ursæ Maj. [illegible]	4·5	51 59,00*	4,147	8·8306	8·8611	0·6177	−8·7005
1100	69 Cancri ν	6	52 46,75	3,525	8·7024	8·7298	0·5471	−8·3303
1101	Arg. in car. b^1	5	52 48,72*	1,474	8·9422	8·9694	0·1685	+8·8733
1102	Arg. in car. b^2	5	55 14,10*	1,498	8·9453	8·9634	0·1756	+8·8758
1103	Lyncis	5	55 41,18*	3,851	8·7753	8·7917	0·5856	−8·5754
1104	18 Hydræ ω	6	57 0,98	3,165	8·6699	8·6812	0·5003	−7·6719
1105	Arg. in vel. c	5	58 18,12*	2,068	8·8317	8·8382	0·3155	+8·6918
1106	76 Cancri $\varkappa$	5·6	58 32,70	3,259	8·6792	8·6847	0·5131	−7·9731
1107	75 Cancri	6·7	58 45,77	3,559	8·7224	8·7271	0·5513	−8·3843
1108	78 Cancri	7	59 29,27	3,379	8·6946	8·6965	0·5287	−8·1882
1109	77 Cancri ξ	5·6	59 34,21	3,465	8·7077	8·7093	0·5396	−8·2947
1110	Piscis Vol. α	5	8 59 44,32*	0,966	9·0588	9·0608	9·9851	+9·0186
1111	79 Cancri	6	9 0 33,89	3,462	8·7094	8·7073	0·5393	−8·2956
1112	Pixid. Naut.	5·6	0 34,89*	2,625	8·7178	8·7156	0·4191	+8·3166
1113	20 Hydræ L^2	6	1 16,48	2,934	8·6802	8·6753	0·4675	+7·8291
1114	Argus λ	3·4	1 45,07*	2,201	8·8108	8·8042	0·3427	+8·6425
1115	Pixid. Naut. ε	6	2 44,27*	2,536	8·7396	8·7292	0·4042	+8·4343
1116	81 Cancri π^1	6·7	2 58,79	3,293*	8·6954	8·6841	0·5176	−8·1272
1117	Cancri	6	3 53,50*	3,443	8·7134	8·6987	0·5369	−8·2866
1118	18 Ursæ Maj. e	5	3 54,12	4,380	8·9190	8·9042	0·6415	−8·8309
1119	21 Hydræ K^1	6	4 1,68	2,964	8·6836	8·6684	0·4718	+7·7319
1120	Arg. in car. G	5	9 4 38,04*	+0,233	−9·1902	+9·1726	+9·3674	+9·1682

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1086	+18° 0′ 21″,46*	−13″,123	+9·2529	−9·3062	−1·1180	−9·8784		191	374 M
1087	+28 34 14,31	13,245	8·3424	−9·4997	1·1220	9·8754	1258	204	
1088	+17 52 22,63*	13,267	9·2625	−9·3078	1·1228	9·8748		206	380 M
1089	+ 6 35 16,80	13,307	9·5378	−8·8818	1·1241	9·8738	1261	210	
1090	+12 16 14,04	13,322	9·4232	−9·1500	1·1246	9·8734	1262	211	382 M
1091	−78 20 43,10*	13,339	+9·9133	+9·8141	1·1251	9·8729			817 C
1092	+48 42 9,26	13,380	−9·4362	−9·7003	1·1265	9·8719	1260	212	
1093	+15 58 7,78	13,395	+9·3263	−9·2645	1·1269	9·8715	1265	218	384 M
1094	+16 13 39,86	13,416	9·3201	−9·2720	1·1276	9·8710	1266	219	386 M
1095	−27 1 50,55*	13,426	9·8597	+9·4835	1·1279	9·8707		220	
1096	−78 26 48,82*	13,462	9·9101	+9·8183	1·1291	9·8697			822 C
1097	+12 30 37,28	13,487	9·4216	−9·1637	1·1299	9·8691	1269	222	387 M
1098	+18 47 32,25*	13,512	+9·2380	−9·3368	1·1307	9·8684		224	388 M
1099	+47 49 15,86	13,668	−9·3997	−9·7036	1·1357	9·8642	1272	230	
1100	+25 7 0,64	13,719	+8·9243	−9·4632	1·1373	9·8627	1275	234	390 M
1101	−58 34 32,26*	13,721	9·9284	+9·7665	1·1374	9·8627			821 C
1102	−58 26 10,16*	13,875	+9·9253	+9·7707	1·1422	9·8583			823 C
1103	+39 7 34,90*	13,903	−9·0719	−9·6412	1·1431	9·8575		245	
1104	+ 5 45 59,40	13,987	+9·5563	−8·8458	1·1457	9·8551	1284	251	
1105	−46 25 32,30*	14,067	9·9112	+9·7063	1·1482	9·8527			827 C
1106	+11 20 48,66	14,082	9·4564	−9·1406	1·1487	9·8522	1287	255	392 M
1107	+27 19 36,43	14,096	8·7782	−9·5090	1·1491	9·8518	1286	256	
1108	+18 9 16,94	14,141	9·2810	−9·3421	1·1505	9·8505	1290	258	
1109	+22 43 43,61	14,146	9·1004	−9·4357	1·1506	9·8503	1289	259	393 M
1110	−65 43 9,90*	14,156	9·9154	+9·8088	1·1509	9·8500			829 C
1111	+22 40 55,76	14,207	9·1072	−9·4367	1·1525	9·8484	1291	262	394 M
1112	−25 10 35,36*	14,208	9·8407	+9·4794	1·1525	9·8484		265	
1113	− 8 6 4,35	14,251	9·7235	+9·0009	1·1538	9·8471	1294	267	
1114	−42 44 55,42*	14,280	9·9004	+9·6845	1·1547	9·8461		1	830 C
1115	−29 40 31,09*	14,341	9·8591	+9·5493	1·1566	9·8442		7	831 C
1116	+15 40 40,76	14,355	9·3598	−9·2868	1·1570	9·8438	1298	6	396 M
1117	+21 58 46,66*	14,411	+9·1523	−9·4299	1·1587	9·8420	1299		
1118	+54 43 1,65	14,412	−9·4997	−9·7686	1·1587	9·8420	1297	8	
1119	− 6 24 59,79	14,419	+9·7067	+8·9053	1·1589	9·8417	1301	11	
1120	−71 55 12,70*	+14,456	+9·8993	+9·8361	−1·1600	−9·8405			834 C

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					a	*b*	*c*	*d*
			h m s	s				
1121	22 Hydræ θ	4·5	9 5 30,80	+3,117	−8·6842	+8·6633	+0·4937	−7·4069
1122	82 Cancri π^2	6	5 49,92	3,326	8·7006	8·6784	0·5219	−8·1314
1123	Arg. in car. a	5	6 29,38*	1,584	8·9645	8·9399	0·1996	+8·8942
1124	Arg. in car. i	5	7 24,68*	1,376	9·0101	8·9819	0·1387	+8·9545
1125	38 Lyncis p	4	8 13,92	3,767	8·7891	8·7579	0·5760	−8·5737
1126	23 Hydræ K^2	6	8 14,94	2,978	8·6906	8·6593	0·4739	+7·6836
1127	24 Hydræ	6	8 21,65	2,940	8·6930	8·6612	0·4683	+7·8386
1128	Leonis	7	8 37,18*	3,265	8·6991	8·6664	0·5138	−8·0243
1129	Arg. in vel. l	5	8 54,91*	2,363	8·7923	8·7585	0·3734	+8·5804
1130	83 Cancri q	6	9 28,74	3,369	8·7135	8·6775	0·5276	−8·2132
1131	40 Lyncis r	4·5	10 40,49	3,701	8·7799	8·7394	0·5683	−8·5397
1132	Leonis	7	11 18,04*	3,523	8·7435	8·7006	0·5469	−8·3990
1133	Argus β	2	11 19,00*	0,729	9·1399	9·0969	9·8624	+9·1101
1134	26 Hydræ M^2	5·6	11 34,76	2,890	8·7027	8·6587	0·4608	+7·9933
1135	Draconis	5	12 10,28*	9,478	9·5553	9·5091	0·9767	−9·5511
1136	27 Hydræ	5·6	12 10,77	2,929	8·7005	8·6542	0·4667	+7·8869
1137	Argus ι	2	12 30,66*	1,609	8·9786	8·9311	0·2065	+8·9096
1138	Pixid. Naut. θ	5	13 58,04*	2,650	8·7419	8·6888	0·4233	+8·3719
1139	Hydræ	7	14 42,93*	3,160	8·7019	8·6460	0·4997	−7·7171
1140	1 Leonis $\varkappa$	5	14 44,22	3,516	8·7494	8·6934	0·5460	−8·4051
1141	Leonis	7	15 11,15*	3,397	8·7288	8·6711	0·5311	−8·2735
1142	Pixid. Naut. λ	5·6	15 51,12*	2,599	8·7560	8·6957	0·4149	+8·4291
1143	Leonis	7	16 6,44*	3,341	8·7220	8·6608	0·5239	−8·1957
1144	Argus $\varkappa$	3	16 51,30*	1,854	8·9369	8·8728	0·2681	+8·8464
1145	28 Hydræ A	6	16 53,37	3,001	8·7044	8·6402	0·4773	+7·5881
1146	23 Ursæ Maj. h	4	18 1,14	4,831	9·0600	8·9915	0·6841	−9·0130
1147	30 Hydræ α	2	19 13,69	2,948	8·7111	8·6379	0·4695	+7·8506
1148	24 Ursæ Maj. d	5	19 18,35	5,512	9·1851	9·1115	0·7413	−9·1596
1149	2 Leonis ω	6·7	19 20,17	3,217	8·7135	8·6398	0·5074	−7·9442
1150	3 Leonis	6·7	19 25,25	3,203	8·7125	8·6386	0·5056	−7·9034
1151	31 Hydræ τ^1	5·6	20 30,51	3,038	8·7092	8·6311	0·4825	+7·2583
1152	25 Ursæ Maj. θ	3	21 25,79	4,057*	8·9254	8·8437	0·6082	−8·8246
1153	4 Leonis λ	4·5	22 0,41	3,441	8·7496	8·6657	0·5367	−8·3540
1154	5 Leonis ξ	5	22 46,48	3,249	8·7222	8·6353	0·5117	−8·0418
1155	6 Leonis h	6	9 22 49,50	+3,224	−8·7199	+8·6328	+0·5084	−7·9789

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1121	+ 3° 1′ 36″,77	−14″,509	+9·5988	−8·5824	−1·1616	−9·8388	1303	18	
1122	+15 38 35,35	14,528	9·3655	−9·2911	1·1622	9·8381	1304	20	397 M
1123	−58 16 37,36*	14,568	9·9096	+9·7912	1·1634	9·8368			835 C
1124	−61 37 23,66*	14,623	+9·9074	+9·8075	1·1650	9·8350			838 C
1125	+37 31 5,34	14,672	−8·8513	−9·6492	1·1665	9·8333	1305	29	
1126	− 5 38 52,10	14,673	+9·6981	+8·8576	1·1665	9·8333	1307	30	
1127	− 8 2 18,81	14,680	9·7202	+9·0104	1·1667	9·8330	1308	32	
1128	+12 12 32,07*	14,695	9·4472	−9·1905	1·1672	9·8325		35	398 M
1129	−37 51 59,36*	14,713	9·8808	+9·6538	1·1677	9·8319		40	839 C
1130	+18 25 19,84	14,746	+9·2967	−9·3664	1·1687	9·8308	1309	42	
1131	+35 6 24,62	14,817	−8·5052	−9·6285	1·1708	9·8283	1312	48	
1132	+26 53 ——*	14,854	+8·9191	−9·5253	1·1718	9·8270	1313		
1133	−69 1 16,10*	14,855	9·8932	+9·8401	1·1719	9·8269			848 C
1134	−11 15 37,87	14,870	9·7459	+9·1610	1·1723	9·8264	1314	53	
1135	+82 3 55,51*	14,904	9·7796	−9·8672	1·1733	9·8252		37	1 H
1136	− 8 50 13,15	14,905	9·7259	+9·0578	1·1733	9·8251	1317	57	
1137	−58 33 54,52*	14,924	9·9009	+9·8030	1·1739	9·8244			849 C
1138	−25 14 49,15*	15,009	9·8299	+9·5043	1·1764	9·8213		63	
1139	+ 5 56 36,96*	15,052	9·5611	−8·8908	1·1776	9·8197		69	
1140	+26 54 33,66	15,054	8·9445	−9·5314	1·1776	9·8197	1320	67	403 M
1141	+20 31 12,90*	15,080	9·2430	−9·4212	1·1784	9·8187	1321		
1142	−28 6 38,44*	15,118	9·8401	+9·5507	1·1795	9·8173		75	850 C
1143	+17 18 52,23*	15,133	9·3404	−9·3516	1·1799	9·8167		74	
1144	−54 17 21,02*	15,175	9·8938	+9·7887	1·1811	9·8151			851 C
1145	− 4 23 14,78	15,177	+9·6839	+8·7629	1·1812	9·8150	1326	77	
1146	+63 47 57,55	15,242	−9·5922	−9·8340	1·1830	9·8125	1323	82	
1147	− 7 55 30,78	15,310	+9·7152	+9·0225	1·1850	9·8098	1330	89	406 M
1148	+70 34 11,43	15,314	−9·6665	−9·8577	1·1851	9·8096	1324	86	
1149	+ 9 47 38,51	15,316	+9·5024	−9·1139	1·1852	9·8096	1328	88	405 M
1150	+ 8 55 36,79	15,321	+9·5172	−9·0742	1·1853	9·8094	1329	90	
1151	+ 2 1 44,72	15,382	+9·6599	+8·4342	1·1870	9·8069	1334	94	
1152	+52 26 45,76	16,034*	−9·3820	−9·7857	1·2050	9·8048	1332	98	
1153	+23 42 50,38	15,466	+9·1492	−9·4918	1·1894	9·8035	1335	100	407 M
1154	+12 2 57,41	15,508	+9·4654	−9·2082	1·1906	9·8017	1338	106	408 M
1155	+19 27 42,44	−15,511	+9·4942	−9·1478	−1·1906	−9·8016	1339	108	409 M

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1156	Arg. in car. n	5	9 23 5,72*	+1,320	−9·0742	+8·9861	+0·1207	+9·0286
1157	32 Hydræ τ^2	6	23 18,61	3,062	8·7134	8·6244	0·4859	+6·5979
1158	10 Leonis Min. b	5	23 47,07	3,706	8·8126	8·7218	0·5689	−8·5935
1159	Argus ψ	4·5	24 0,97*	2,369	8·8285	8·7368	0·3746	+8·6340
1160	Arg. in vel. N	5	26 2,22*	1,822	8·9732	8·8737	0·2605	+8·8932
1161	33 Hydræ	6	26 3,15	2,993	8·7193	8·6197	0·4761	+7·6732
1162	7 Leonis	6·7	26 34,61	3,292	8·7337	8·6320	0·5175	−8·1504
1163	8 Leonis	6·7	27 38,96	3,323	8·7398	8·6340	0·5215	−8·2106
1164	9 Leonis	7	28 4,73	3,459	8·7648	8·6573	0·5390	−8·3977
1165	10 Leonis	5·6	28 13,31	3,178	8·7246	8·6165	0·5021	−7·8457
1166	11 Leonis	7	28 43,92	3,289	8·7368	8·6268	0·5171	−8·1529
1167	Arg. in car. h	5	29 31,14*	1,738	9·0043	8·8912	0·2401	+8·9349
1168	2 Sextantis b	5·6	29 34,73	3,145	8·7247	8·6113	0·4977	−7·6994
1169	35 Hydræ ι	5	31 9,90	3,063	8·7251	8·6055	0·4861	+6·5407
1170	13 Leonis	6	31 50,33	3,473	8·7749	8·6527	0·5406	−8·4272
1171	14 Leonis o	4	32 3,74	3,219	8·7339	8·6108	0·5078	−8·0011
1172	38 Hydræ $\varkappa$	5	32 9,46	2,874	8·7388	8·6153	0·4585	+8·1090
1173	Leonis	7	33 50,12*	3,373	8·7586	8·6285	0·5280	−8·3123
1174	16 Leonis ψ	6	34 27,73	3,277	8·7444	8·6118	0·5155	−8·1515
1175	17 Leonis ε	3	36 10,88	3,426	8·7733	8·6338	0·5348	−8·3919
1176	Antl. Pneum. θ	6	36 37,61*	2,669	8·7828	8·6416	0·4264	+8·4398
1177	18 Leonis	6	37 13,09	3,242	8·7441	8·6005	0·5108	−8·0825
1178	19 Leonis	7	38 16,86	3,238	8·7451	8·5973	0·5102	−8·0753
1179	29 Ursæ Maj. υ	4·5	38 50,35	4,356*	9·0346	8·8845	0·6391	−8·9713
1180	20 Leonis	7	40 18,25	3,377	8·7704	8·6144	0·5285	−8·3434
1181	30 Ursæ Maj. φ	5	40 29,48	4,153	8·9777	8·8210	0·6184	−8·8903
1182	Arg. in car. l	5	40 33,10*	1,648	9·0625	8·9055	0·2170	+9·0073
1183	4 Sextantis s	6	41 37,32	3,136	8·7412	8·5798	0·4964	−7·6933
1184	22 Leonis g	6	42 12,29	3,424	8·7836	8·6199	0·5345	−8·4127
1185	6 Sextantis t	6	42 39,81	3,023	8·7416	8·5760	0·4804	+7·5209
1186	Argus v	3·4	42 51,06*	1,505	9·1036	8·9373	0·1775	+9·0583
1187	24 Leonis μ	3	43 4,12	3,448	8·7907	8·6234	0·5375	−8·4448
1188	39 Hydræ v^1	5	43 18,33	2,880	8·7548	8·5866	0·4514	+8·1400
1189	7 Sextantis A	7	43 25,58	3,111	8·7424	8·5738	0·4838	−7·4452
1190	8 Sextantis d	6	9 44 5,49	+2,972	−8·7461	+8·5748	+0·4763	+7·8507

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1156	−64° 11′ 48″,12*	−15″,526	+9·8797	+9·8435	−1·1911	−9·8010			865 C
1157	− 0 26 20,83	15,538	+9·6425	+7·7739	1·1914	9·8005	1341	110	
1158	+37 8 55,65	15,564	−8·5315	−9·6711	1·1921	9·7994	1340	111	
1159	−39 43 36,36*	15,577	+9·8669	+9·6961	1·1925	9·7988		116	864 C
1160	−56 17 17,08*	15,687	9·8802	+9·8136	1·1956	9·7941			868 C
1161	− 5 9 33,53	15,688	9·6884	+8·8475	1·1956	9·7940	1344	123	
1162	+15 8 5,65	15,717	9·4099	−9·3112	1·1964	9·7928	1345	125	
1163	+17 11 47,03	15,775	9·3674	−9·3668	1·1980	9·7902	1347	127	411 M
1164	+25 25 47,61	15,798	9·1972	−9·5295	1·1986	9·7892	1348	128	
1165	+ 7 35 40,82	15,806	9·5428	−9·0180	1·1988	9·7888	1349	130	412 M
1166	+15 6 41,18	15,833	9·4133	−9·3137	1·1996	9·7876	1350	132	
1167	−58 28 31,22*	15,875	9·8733	+9·8294	1·2007	9·7856			873 C
1168	+ 5 24 47,70	15,878	9·5729	−8·8735	1·2008	9·7855	1352	139	
1169	− 0 22 29,43	15,963	9·6415	+7·7167	1·2031	9·7816	1356	144	
1170	+26 40 54,03	15,998	9·0719	−9·5544	1·2041	9·7799	1357	148	
1171	+10 39 43,91	16,010	9·4997	−9·1697	1·2044	9·7793	1360	151	414 M
1172	−13 33 53,74	16,015	9·7505	+9·2728	1·2045	9·7791	1362	154	
1173	+20 57 58,20*	16,103	9·2833	−9·4586	1·2069	9·7748		158	
1174	+14 47 42,51	16,135	9·4298	−9·3130	1·2078	9·7732	1366	160	415 M
1175	+24 33 12,98	16,224	9·1790	−9·5268	1·2102	9·7687	1368	164	416 M
1176	−26 59 38,42*	16,247	9·8149	+9·5658	1·2108	9·7676		166	884 C
1177	+12 35 27,04	16,277	9·4728	−9·2481	1·2116	9·7660	1370	168	417 M
1178	+12 21 3,45	16,331	+9·4771	−9·2413	1·2130	9·7632	1372	175	419 M
1179	+59 49 55,30	16,359	−9·4487	−9·8486	1·2138	9·7617	1371	174	
1180	+21 58 2,97	16,433	+9·2742	−9·4867	1·2157	9·7578	1377	181	
1181	+54 51 10,89	16,443	−9·3385	−9·8266	1·2160	9·7573	1375	179	
1182	−61 43 35,64*	16,446	+9·8506	+9·8589	1·2160	9·7571			890 C
1183	+ 5 8 17,81	16,499	9·5809	−8·8676	1·2175	9·7542	1380	186	
1184	+25 11 45,21	16,528	9·1818	−9·5454	1·2182	9·7526	1382	190	
1185	− 3 26 57,08	16,550	9·6693	+8·6962	1·2188	9·7513	1385	193	
1186	−64 17 5,30*	16,560	9·8426	+9·8718	1·2191	9·7508			894 C
1187	+26 48 13,91	16,570	9·1239	−9·5715	1·2193	9·7502	1384	194	
1188	−14 3 4,69	16,582	9·7459	+9·3029	1·2196	9·7495	1388	196	
1189	+ 3 14 38,57	16,588	9·6031	−8·6706	1·2198	9·7492	1386	197	
1190	− 7 18 31,46	−16,621	+9·6998	+9·0232	−1·2206	−9·7473	1389	200	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1191	9 Sextantis	7	9 45 13,01	+3,143	−8·7462	+8·5702	+0·4973	−7·7466
1192	10 Sextantis	6	47 24,93	3,193	8·7531	8·5680	0·5043	−7·9813
1193	27 Leonis ν	5·6	49 3,96	3,238	8·7605	8·5686	0·5103	−8·1209
1194	11 Sextantis	6	49 6,53	3,184	8·7544	8·5623	0·5030	−7·9545
1195	Sextantis	6·7	50 53,68*	3,120	8·7522	8·5526	0·4942	−7·6163
1196	Argus φ	4	50 54,40*	2,095	8·9793	8·7797	0·3211	+8·8860
1197	29 Leonis π	4·5	51 13,32	3,179	8·7566	8·5557	0·5023	−7·9440
1198	Leonis	6·7	53 19,25*	3,362	8·7891	8·5793	0·5266	−8·3768
1199	Hydræ	6	54 18,81*	2,914	8·7654	8·5514	0·4645	+8·1001
1200	Leonis	7	55 1,48*	3,221	8·7662	8·5491	0·5080	−8·0997
1201	13 Sextantis e	7	55 19,40	3,117	8·7573	8·5389	0·4937	−7·6036
1202	Leonis	7	56 26,73*	3,272	8·7759	8·5528	0·5148	−8·2313
1203	40 Hydræ υ^2	5·6	56 50,86	2,920	8·7679	8·5431	0·4653	+8·0944
1204	21 Leonis Min. d	5	57 22,43	3,564	8·8510	8·6238	0·5520	−8·6209
1205	14 Sextantis C	6	57 53,18	3,145	8·7619	8·5325	0·4976	−7·8116
1206	30 Leonis η	3·4	58 2,95	3,283	8·7801	8·5500	0·5163	−8·2603
1207	31 Leonis A	5	58 52,35	3,197	8·7680	8·5344	0·5047	−8·0418
1208	15 Sextantis f	5	59 15,67*	3,073	8·7606	8·5254	0·4876	−6·6618
1209	32 Leonis α	1	9 59 18,29	3,221	8·7716	8·5361	0·5079	−8·1169
1210	16 Sextantis	6	10 0 19,53	3,150	8·7650	8·5251	0·4983	−7·8511
1211	17 Sextantis g^1	6	1 41,03	2,980	8·7671	8·5211	0·4743	+7·8870
1212	41 Hydræ λ^2	4·5	2 17,73	2,934	8·7728	8·5241	0·4675	+8·0730
1213	18 Sextantis g^2	6	2 28,70	2,981	8·7679	8·5185	0·4743	+7·8882
1214	34 Leonis	6	2 28,76	3,233	8·7776	8·5281	0·5907	−8·1671
1215	Sextantis	6	3 ——*	2,994	8·7672	8·5163	0·4762	+7·8197
1216	19 Sextantis	7	3 56,98	3,130	8·7676	8·5116	0·4955	−7·7455
1217	Leonis	7	5 7,57*	3,328	8·7998	8·5385	0·5221	−8·3736
1218	21 Sextantis	6	5 40,14	2,988	8·7709	8·5071	0·4754	+7·8660
1219	33 Ursæ Maj. λ	3·4	6 48,56	3,675	8·9099	8·6410	0·5652	−8·7498
1220	Leonis	6	6 59,28*	3,281	8·7921	8·5224	0·5160	−8·2954
1221	36 Leonis ζ	4·5	7 12,96	3,353	8·8092	8·5385	0·5254	−8·4230
1222	37 Leonis	6	7 32,83	3,232	8·7836	8·5113	0·5094	−8·1843
1223	Arg. in vel. q	4	7 37,08*	2,516	8·8935	8·6210	0·4006	+8·7129
1224	22 Sextantis z	6	9 11,01	2,989	8·7745	8·4947	0·4756	+7·8739
1225	Argus ω	4·5	10 9 40,84*	+1,440	−9·2211	+8·9391	+0·1582	+9·1918

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1191	+ 5° 44′ 38″,27	−16″,675	+9·5752	−8·9205	−1·2221	−9·7441	1390	205	
1192	+ 9 44 11,67	16,781	9·5263	−9·1511	1·2248	9·7378	1393	212	424 M
1193	+13 15 12,17	16,860	9·4742	−9·2852	1·2269	9·7330	1395	216	425 M
1194	+ 9 7 19,64	16,862	9·5353	−9·1251	1·2269	9·7329	1396	218	426 M
1195	+ 4 11 39,19*	16,946	9·5955	−8·7912	1·2291	9·7275		223	
1196	−53 45 42,64*	16,946	9·8376	+9·8338	1·2291	9·7275			901 C
1197	+ 8 51 24,31	16,961	9·5403	−9·1149	1·2295	9·7266	1398	225	427 M
1198	+22 45 57,48*	17,058	9·2945	−9·5176	1·2319	9·7202		230	
1199	−12 28 50,64*	17,103	9·7300	+9·2658	1·2331	9·7171		232	
1200	+12 26 52,59*	17,136	9·4942	−9·2655	1·2339	9·7149		237	429 M
1201	+ 4 1 30,40	17,149	9·5988	−8·7786	1·2343	9·7140	1400	238	
1202	+16 34 52,17*	17,200	9·4298	−9·3890	1·2355	9·7104		240	431 M
1203	−12 14 31,70	17,218	9·7267	+9·2605	1·2360	9·7092	1402	241	
1204	+36 4 12,37	17,241	8·7076	−9·7046	1·2366	9·7075	1401	242	
1205	+ 6 26 17,28	17,264	9·5729	−8·9849	1·2371	9·7058	1404	244	
1206	+17 35 17,90	17,271	9·4166	−9·4156	1·2373	9·7053	1403	245	432 M
1207	+10 49 41,47	17,308	9·5198	−9·2101	1·2382	9·7027	1405	248	433 M
1208	+ 0 27 23,32	17,325	9·6335	−7·8379	1·2387	9·7014	1407	250	
1209	+12 47 44,83	17,327	9·4942	−9·2821	1·2387	9·7012	1406	251	434 M
1210	+ 7 0 7,73	17,372	9·5682	−9·0239	1·2398	9·6979	1409	253	
1211	− 7 34 26,04	17,431	9·6946	+9·0593	1·2413	9·6934	1410	1	
1212	−11 30 58,90	17,457	9·7185	+9·2403	1·2420	9·6913	1412	2	
1213	− 7 34 50,01	17,465	9·6946	+9·0605	1·2422	9·6907	1413	5	
1214	+14 12 ——*	17,465	9·4786	−9·3297	1·2422	9·6907	1411	3	436 M
1215	− 6 28 49,48	17,478	9·6866	+8·9931	1·2425	9·6897	1414	6	
1216	+ 5 27 10,09	17,528	9·5866	−8·9196	1·2437	9·6857	1417	7	
1217	+22 0 34,30*	17,577	9·3463	−9·5168	1·2450	9·6817		10	437 M
1218	− 7 9 3,76	17,600	+9·6911	+9·0387	1·2455	9·6798	1420	17	
1219	+43 45 33,93	17,647	−8·1761	−9·7846	1·2467	9·6758	1421	20	
1220	+18 35 1,84*	17,655	+9·4150	−9·4483	1·2469	9·6752		23	439 M
1221	+24 15 45,46	17,664	9·3054	−9·5589	1·2471	9·6744	1425	25	
1222	+14 34 23,65	17,678	9·4786	−9·3462	1·2474	9·6732	1426	27	440 M
1223	−41 16 49,69*	17,681	9·8041	+9·7649	1·2475	9·6730		29	914 C
1224	− 7 13 19,85	17,745	9·6893	+9·0465	1·2491	9·6674	1428	33	
1225	−69 11 52,56*	−17,765	+9·7686	+9·9183	−1·2496	−9·6656			920 C

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1226	Antl. Pneum.	6	10 10 20,35*	+2,739	−8·8268	+8.5417	+0·4376	+8·5005
1227	40 Leonis	6	10 27,98	3,296	8·8002	8·5145	0·5179	−8·3411
1228	41 Leonis γ	2	10 35,01	3,300	8·8014	8·5152	0·5185	−8·3497
1229	Arg. in car. q	5	11 23,64*	1,991	9·0807	8·7907	0·2990	+9·0203
1230	34 Ursæ Maj. μ	3	12 10,19	3,620	8·9053	8·6117	0·5587	−8·7338
1231	23 Sextantis h	6	12 15,24	3,101	8·7747	8·4807	0·4915	−7·5138
1232	42 Leonis	6	12 41,04	3,239	8·7912	8·4952	0·5104	−8·2271
1233	43 Leonis z	6	14 6,44	3,145	8·7794	8·4767	0·4977	−7·8895
1234	Arg. in vel. T	5	14 34,46*	2,215	9·0197	8·7147	0·3453	+8·9341
1235	Arg. in vel. r	4·5	15 3,05*	2,558	8·8976	8·5903	0·4079	+8·7127
1236	30 Leonis Min. f	4·5	16 7,95	3,473	8·8625	8·5501	0·5406	−8·6174
1237	44 Leonis b^1	6	16 17,16*	3,167	8·7840	8·4708	0·5007	−8·0082
1238	42 Hydræ μ	4	17 51,85	2,903	8·7964	8·4755	0·4629	+8·2359
1239	26 Sextantis i	6	17 55,99	3,067	8·7793	8·4582	0·4867	+6·1220
1240	31 Leonis Min. g	4·5	18 0,31	3,511	8·8804	8·5588	0·5454	−8·6656
1241	27 Sextantis	6	18 11,55	3,033	8·7804	8·4580	0·4818	+7·5692
1242	45 Leonis	6	18 39,79	3,175	8·7875	8·4628	0·5018	−8·0533
1243	Antl. Pneum. α	4·5	19 23,14*	2,737	8·8440	8·5157	0·4373	+8·5457
1244	36 Ursæ Maj.	5	19 42,29	3,935	9·0431	8·7132	0·5949	−8·9659
1245	Sextantis q	6	20 7,75*	3,040	8·7818	8·4499	0·4828	+7·4825
1246	28 Sextantis k	6	20 50,22	3,050	8·7822	8·4467	0·4843	+7·2961
1247	Arg. in car. I	5	20 58,32*	1,218	9·3203	8·9842	0·0858	+9·3013
1248	30 Sextantis l	6	21 35,88	3,070	8·7826	8·4433	0·4872	−6·3930
1249	Antl. Pneum.	5·6	21 38,33*	2,762	8·8399	8·5005	0·4413	+8·5227
1250	31 Sextantis u	7	21 43,26	3,097	8·7833	8·4434	0·4910	−7·5053
1251	Antl. Pneum. δ	6	21 46,26*	2,751	8·8441	8·5039	0·4395	+8·5396
1252	46 Leonis i	6	23 6,94	3,215	8·7990	8·4520	0·5072	−8·2122
1253	32 Sextantis x	7	23 28,05	3,121	8·7862	8·4375	0·4943	−7·7690
1254	47 Leonis ϱ	4	23 51,14	3,166	8·7914	8·4407	0·5005	−8·0387
1255	37 Ursæ Maj. m	5	24 8,84	3,935	9·0600	8·7078	0·5949	−8·9882
1256	48 Leonis	5·6	25 55,28	3,141	8·7903	8·4290	0·4971	−7·9244
1257	44 Hydræ n	6	25 55,92	2,843	8·8218	8·4605	0·4538	+8·4114
1258	Arg. in car. p	4	26 0,56*	2,114	9·0982	8·7365	0·3251	+9·0392
1259	49 Leonis	6	26 6,45	3,157	8·7924	8·4302	0·4993	−8·0113
1260	1 Hyd. & Crat.	6	10 27 58,85	+2,924	−8·8039	+8·4319	+0·4659	+8·2299

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1226	−28° 8′ 38″,96*	−17″,792	+9·7782	+9·6219	−1·2502	−9·6632		39	
1227	+20 19 54,49	17,797	9·3927	−9·4893	1·2503	9·6627	1431	36	442 M
1228	+20 41 55,38	17,802	9·3874	−9·4968	1·2505	9·6623	1432	38	443 M
1229	−60 29 11,98*	17,834	9·7860	+9·8889	1·2512.	9·6593			922 C
1230	+42 21 6,78	17,865	8·2041	−9·7785	1·2520	9·6564	1434	45	
1231	+ 3 8 37,26	17,868	9·6107	−8·6892	1·2521	9·6561	1435	46	
1232	+15 49 53,94	17,885	9·4698	−9·3864	1·2525	9·6545	1436	47	444 M
1233	+ 7 24 12,32	17,941	9·5717	−9·0620	1·2538	9·6491	1441	54	
1234	−55 11 22,70*	17,959	9·7875	+9·8667	1·2543	9·6473			926 C
1235	−40 47 46,73*	17,978	9·7910	+9·7679	1·2547	9·6455		61	925 C
1236	+34 39 32,75	18,019	9·0334	−9·7087	1·2557	9·6413	1445	63	
1237	+ 9 38 48,62*	18,025	9·5502	−9·1781	1·2559	9·6407		64	
1238	−15 58 14,20	18,085	9·7292	+9·3949	1·2573	9·6345	1451	74	
1239	− 0 7 34,37	18,088	9·6385	+7·2981	1·2574	9·6342	1450	73	
1240	+37 34 32,55	18,090	8·9085	−9·7407	1·2574	9·6340	1448	72	
1241	− 3 31 30,94	18,097	9·6618	+8·7445	1·2576	9·6332	1452	75	
1242	+10 37 36,64	18,115	9·5416	−9·2219	1·2580	9·6313	1453	76	448 M
1243	−30 12 15,74*	18,142	+9·7701	+9·6584	1·2587	9·6284		82	931 C
1244	+56 50 58,65	18,154	−9·0719	−9·8799	1·2590	9·6271	1454	80	
1245	− 2 52 ——*	18,170	+9·6571	+8·6581	1·2593	9·6254	1456		
1246	− 1 52 15,98	18,196	9·6513	+8·4719	1·2600	9·6225	1457	86	
1247	−73 10 92,00*	18,201	9·7218	+9·9391	1·2601	9·6220			936 C
1248	+ 0 14 1,21	18,223	9·6355	−7·5690	1·2606	9·6194	1459	87	
1249	−28 47 46,03*	18,225	9·7634	+9·6415	1·2607	9·6192		90	932 C
1250	+ 3 1 19,06	18,228	9·6138	−8·6807	1·2607	9·6189	1460	89	
1251	−29 44 20,48*	18,230	9·7657	+9·6543	1·2608	9·6187		91	
1252	+15 0 28,31	18,278	9·4955	−9·3732	1·2619	9·6131	1463	97	451 M
1253	+ 5 30 58,42	18,291	9·5944	−8·9431	1·2622	9·6116	1466	98	
1254	+10 10 46,36	18,305	+9·5502	−9·2079	1·2626	9·6099	1467	102	452 M
1255	+57 57 18,55	18,315	−9·0569	−9·8891	1·2628	9·6087	1464	101	
1256	+ 7 49 37,07	18,378	+9·5752	−9·0965	1·2643	9·6010	1468	110	453 M
1257	−22 52 14,40	18,378	9·7443	+9·5519	1·2643	9·6010	1471	111	
1258	−60 48 48,23*	18,381	9·7482	+9·9034	1·2644	9·6007			943 C
1259	+ 9 31 38,77	18,384	9·5587	−9·1813	1·2644	9·6002	1469	112	454 M
1260	−15 27 54,07	−18,449	+9·7177	+9·3900	−1·2660	−9·5920	1474	118	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
1261	37 Leonis Min. *l*	4	h m s 10 29 7,78	s +3,401	−8·8645	+8·4864	+0·5316	−8·5990
1262	Antl. Pneum.	6	29 15,52*	2,811	8·8373	8·4585	0·4488	+8·4873
1263	50 Leonis	6·7	29 46,81	3,225	8·8088	8·4272	0·5085	−8·2750
1264	Arg. in vel. *p*	5	30 10,76*	2,514	8·9587	8·5750	0·4004	+8·8253
1265	2 Hyd. & Crat. φ^3	5	30 18,43	2,922	8·8069	8·4225	0·4657	+8·2471
1266	Ursæ Maj.	5	30 45,97*	4,459	9·2553	8·8684	0·6492	−9·2282
1267	33 Sextantis *m*	6	32 44,83	3,061	8·7917	8·3940	0·4858	+6·9628
1268	Chamæl. γ	5	33 22,06*	0,801	9·4646	9·0635	9·9037	+9·4546
1269	40 Leonis Min.	5·6	33 40,37	3,321	8·8433	8·4405	0·5212	−8·5035
1270	34 Sextantis	6	33 49,12	3,106	8·7938	8·3902	0·4923	−7·6855
1271	41 Leonis Min. *m*	5·6	34 8,96	3,287	8·8322	8·4268	0·5167	−8·4428
1272	35 Sextantis	7	34 30,76	3,116	8·7951	8·3876	0·4936	−7·7874
1273	Argus θ^1	5	36 11,76*	2,106	9·1459	8·7290	0·3235	+9·0980
1274	42 Leonis Min. *n*	4·5	36 22,92	3,361	8·8639	8·4459	0·5265	−8·5830
1275	36 Sextantis *n*	6	36 23,42	3,096	8·7951	8·3771	0·4908	−7·5658
1276	Argus θ^2	2·3	36 52,92*	2,117	9·1452	8·7244	0·3257	+9·0970
1277	37 Sextantis o^1	6	37 13,78	3,128	8·7985	8·3756	0·4953	−7·9005
1278	51 Leonis m^2	6	37 14,45	3,238	8·8214	8·3985	0·5103	−8·3510
1279	52 Leonis *k*	6	37 24,27	3,195	8·8103	8·3865	0·5045	−8·2259
1280	38 Sextantis o^2	7	38 27,67	3,127	8·7993	8·3694	0·4951	−7·8999
1281	Argus η	2	38 30,00*	2,300	9·0814	8·6513	0·3617	+9·0135
1282	3 Hyd. & Crat. b^1	6	38 32,42	2,931	8·8139	8·3835	0·4670	+8·2647
1283	Argus μ	3	39 28,40*	2,548	8·9754	8·5396	0·4062	+8·8500
1284	53 Leonis *l*	6	40 18,75	3,160	8·8058	8·3651	0·4997	−8·1034
1285	44 Leonis Min.	6	40 31,02	3,318	8·8549	8·4129	0·5209	−8·5387
1286	40 Sextantis *p*	6	40 39,39	3,043	8·7980	8·3552	0·4833	+7·5346
1287	4 Hyd. & Crat. ν	4	41 14,12	2,945	8·8134	8·3672	0·4691	+8·2350
1288	41 Sextantis *r*	6	41 46,39	3,005	8·8023	8·3529	0·4779	+7·9458
1289	46 Leonis Min. *o*	4·5	43 46,72	3,375	8·8868	8·4251	0·5283	−8·6468
1290	Chamæl. δ^1	5	44 4,44*	0,689	9·5450	9·0815	9·8385	+9·5378
1291	45 Ursæ Maj. ω	5	44 9,40	3,488	8·9434	8·4794	0·5427	−8·7859
1292	6 Hyd. & Crat. b^3	5·6	45 10,79	2,919	8·8253	8·3549	0·4652	+8·3428
1293	54 Leonis	4·5	46 23,62	3,271	8·8462	8·3682	0·5146	−8·4826
1294	Arg. in car. *u*	5	46 38,34*	2,396	9·0765	8·5970	0·3796	+9·0047
1295	55 Leonis *u*	6	10 46 57,23	+3,080	−8·8016	+8·3201	+0·4886	−7·2590

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1261	+32° 51′ 26″,43	−18″,488	+9·1903	−9·6994	−1·2669	−9·5868	1475	121	
1262	−26 31 59,69*	18,492	9·7482	+9·6151	1·2670	9·5862		123	946 C
1263	+17 0 36,53	18,510	9·4814	−9·4316	1·2674	9·5838	1478	125	456 M
1264	−47 20 45,12*	18,523	9·7597	+9·8322	1·2677	9·5820			949 C
1265	−15 59 42,18	18,527	+9·7177	+9·4061	1·2678	9·5814	1479	127	
1266	+69 57 43,80*	18,543	−9·3181	−9·9391	1·2682	9·5793		126	35 H
1267	− 0 50 58,66	18,608	+9·6435	+8·1389	1·2697	9·5701	1482	134	
1268	−77 43 37,78*	18,628	9·6561	+9·9582	1·2702	9·5671			958 C
1269	+27 12 57,19	18,638	9·3385	−9·6287	1·2704	9·5656	1483	136	
1270	+ 4 28 11,94	18,642	9·6064	−8·8603	1·2705	9·5649	1484	138	
1271	+24 4 35,81	18,653	9·3927	−9·5794	1·2707	9·5634	1485	139	
1272	+ 5 38 19,61	18,664	9·5977	−8·9614	1·2710	9·5616	1487	141	458 M
1273	−63 34 48,26*	18,718	9·7101	+9·9224	1·2722	9·5534			124 Fa
1274	+31 34 33,93	18,723	9·2625	−9·6895	1·2724	9·5524	1490	145	
1275	+ 3 22 51,95	18,724	9·6149	−8·7411	1·2724	9·5524	1491	147	
1276	−63 30 15,38*	18,739	9·7093	+9·9226	1·2727	9·5499			964 C
1277	+ 7 16 1,96	18,750	9·5866	−9·0731	1·2730	9·5482	1493	150	460 M
1278	+19 47 11,55	18,750	9·4594	−9·5006	1·2730	9·5482	1492	149	
1279	+15 5 28,03	18,755	9·5145	−9·3867	1·2731	9·5473	1494	152	461 M
1280	+ 7 14 31,61	18,787	9·5877	−9·0725	1·2739	9·5420	1495	154	462 M
1281	−58 47 35,68*	18,789	9·7185	+9·9041	1·2739	9·5418			968 C
1282	−16 24 3,53	18,790	9·7110	+9·4228	1·2739	9·5416	1496	155	
1283	−48 31 7,86*	18,818	9·7364	+9·8472	1·2746	9·5368			970 C
1284	+11 26 39,07	18,843	9·5527	−9·2708	1·2752	9·5324	1500	162	463 M
1285	+28 52 8,90	18,849	9·3345	−9·6571	1·2753	9·5314	1501	164	
1286	− 3 7 33,37	18,853	9·6551	+8·7101	1·2754	9·5306	1503	166	
1287	−15 18 18,46	18,871	9·7059	+9·3954	1·2758	9·5276	1504	167	
1288	− 7 59 54,40	18,886	9·6785	+9·1177	1·2761	9·5247	1505	169	
1289	+35 7 46,86	18,944	9·2227	−9·7355	1·2775	9·5139	1509	181	
1290	−79 38 42,70*	18,953	9·5999	+9·9686	1·2777	9·5122			978 C
1291	+44 5 35,31	18,955	8·9345	−9·8183	1·2777	9·5118	1510	182	
1292	−19 13 21,10	18,984	9·7126	+9·4939	1·2784	9·5061	1513	183	
1293	+25 39 20,12	19,018	9·4048	−9·6137	1·2792	9·4992	1515	190	
1294	−57 57 10,12*	19,025	9·6964	+9·9056	1·2793	9·4978			979 C
1295	+ 1 38 33,37	−19,033	+9·6284	−8·4349	−1·2795	−9·4960	1517	193	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s.				
1296	56 Leonis	7	10 47 11,36	+3,120	−8·8049	+8·3219	+0·4941	−7·8965
1297	50 Leonis Min.	6	47 19,52	3,275	8·8496	8·3657	0·5152	−8·4976
1298	57 Leonis	7	47 27,18	3,078	8·8019	8·3172	0·4882	−7·1705
1299	Antl. Pneum.	5	48 48,87*	2,769	8·8959	8·4024	0·4423	+8·6674
1300	7 Hyd. & Crat. α	4	51 29,42	2,905*	8·8245	8·3133	0·4632	+8·3001
1301	48 Ursæ Maj. β	2	51 31,80	3,680	9·0715	8·5601	0·5659	−8·9966
1302	58 Leonis d	5	51 46,48	3,099	8·8057	8·2926	0·4912	−7·7033
1303	59 Leonis c	5·6	51 55,72	3,116	8·8077	8·2935	0·4936	−7·8945
1304	61 Leonis s	5·6	53 8,84	3,058	8·8053	8·2828	0·4854	+7·2431
1305	50 Ursæ Maj. α	1·2	53 9,76	3,811	9·1432	8·6206	0·5811	−9·0918
1306	60 Leonis b	5	53 14,19	3,216	8·8353	8·3122	0·5073	−8·3915
1307	8 Hyd. & Crat. ν	6	54 10,81	2,884	8·8518	8·3221	0·4600	+8·4922
1308	Leonis	7	54 32,76*	3,069	8·8060	8·2737	0·4870	−6·2726
1309	62 Leonis p^1	6	54 54,20	3,074	8·8062	8·2715	0·4877	−7·0090
1310	63 Leonis χ	4·5	56 14,25	3,086*	8·8114	8·2672	0·4894	−7·9684
1311	9 Hyd. & Crat. χ^1	5	57 9,12	2,889	8·8551	8·3043	0·4607	+8·5028
1312	Hyd. & Crat. χ^2	5·6	57 43,88	2,890	8·8554	8·3004	0·4609	+8·5029
1313	65 Leonis p^2	5·6	58 13,51	3,086	8·8085	8·2498	0·4894	−7·5093
1314	67 Leonis	6	10 59 40,89	3,234	8·8535	8·2839	0·5098	−8·4887
1315	52 Ursæ Maj. ψ	3·4	11 0 4,75	3,419	8·9626	8·3901	0·5338	−8·8153
1316	10 Hyd. & Crat.	5	0 31,28	2,892	8·8599	8·2839	0·4612	+8·5193
1317	66 Leonis p^3	7	0 32,73*	3,066	8·8091	8·2830	0·4865	+6·6661
1318	Leonis	7	2 48,42*	3,158	8·8260	8·2323	0·4995	−8·2480
1319	11 Hyd. & Crat. β	4	3 18,61	2,937	8·8430	8·2453	0·4678	+8·4147
1320	68 Leonis δ	3	5 3,11	3,193	8·8425	8·2307	0·5042	−8·4057
1321	69 Leonis p^4	5·6	5 3,29	3,073	8·8114	8·1995	0·4875	−6·9853
1322	Leonis	6·7	5 11,27*	3,118	8·8167	8·2038	0·4939	−8·0106
1323	70 Leonis θ	3	5 18,29	3,161	8·8294	8·2155	0·4998	−8·2791
1324	72 Leonis t	5·6	6 7,95	3,207	8·8511	8·2304	0·5061	−8·4608
1325	73 Leonis n	5·6	6 57,49	3,146	8·8257	8·1980	0·4977	−8·2165
1326	Leonis	6	7 4,51*	3,143	8·8249	8·1962	0·4973	−8·2016
1327	74 Leonis φ	5	8 0,62	3,054	8·8131	8·1764	0·4848	+7·4897
1328	75 Leonis q	5·6	8 32,07	3,083	8·8134	8·1722	0·4890	−7·5241
1329	53 Ursæ Maj. ξ	4	9 5,23	3,221*	8·8870	8·2409	0·5080	−8·6170
1330	54 Ursæ Maj. ν	4	11 9 16,55	+3,266	−8·8947	+8·2469	+0·5140	−8·6425

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1296	+ 7° 5′ 30″,71	−19″,040	+9·5933	−9·0692	−1·2797	−9·4947	1519	196	
1297	+26 24 21,69	19,043	9·3979	−9·6259	1·2797	9·4939	1518	197	
1298	+ 1 20 19,69*	19,047	9·6304	−8·3465	1·2798	9·4932	1520	198	
1299	−36 13 25,49*	19,084	9·7251	+9·7502	1·2807	9·4852		199	980 C
1300	−17 23 40,69	19,154	+9·7007	+9·4559	1·2823	9·4691	1525	209	
1301	+57 17 31,41	19,155	−8·1139	−9·9053	1·2823	9·4688	1523	207	
1302	+ 4 31 47,61	19,161	+9·6128	−8·8780	1·2824	9·4673	1526	210	465 M
1303	+ 7 0 48,88	19,165	9·5966	−9·0673	1·2825	9·4664	1527	211	466 M
1304	− 1 34 13,10	19,196	+9·6454	+8·4191	1·2832	9·4588	1530	218	
1305	+62 39 59,94	19,196	−8·7482	−9·9298	1·2832	9·4587	1528	217	
1306	+21 5 28,02	19,198	+9·4800	−9·5374	1·2833	9·4582	1529	219	
1307	−25 54 42,52	19,222	9·7110	+9·6223	1·2838	9·4522	1531	222	
1308	+ 0 10 3,91*	19,231	9·6365	−7·4487	1·2840	9·4498		225	
1309	+ 0 54 50,49	19,240	9·6335	−8·1850	1·2842	9·4475	1533	227	
1310	+ 8 15 15,11	19,272	9·5922	−9·1400	1·2849	9·4388	1535	236	468 M
1311	−26 22 37,57	19,294	9·7067	+9·6311	1·2854	9·4327	1536	237	989 C
1312	−26 22 10,63	19,307	9·7059	+9·6313	1·2857	9·4287	1538	240	990 C
1313	+ 2 52 40,96	19,319	9·6232	−8·6848	1·2860	9·4254	1539	243	
1314	+25 34 41,26	19,352	9·4456	−9·6200	1·2867	9·4152	1541	249	
1315	+45 25 9,91	19,361	9·0828	−9·8376	1·2869	9·4124	1542	253	
1316	−27 9 35,55	19,371	9·7016	+9·6446	1·2872	9·4093	1544	256	994 C
1317	− 0 24 44,31	19,372	9·6395	+7·8422	1·2872	9·4091	1543	255	
1318	+15 19 24,32*	19,422	9·5490	−9·4084	1·2883	9·3926		4	
1319	−21 53 54,15	19,433	9·6937	+9·5582	1·2885	9·3889	1545	6	
1320	+21 27 17,06	19,469	9·5011	−9·5506	1·2894	9·3756	1546	10	470 M
1321	+ 0 51 18,95	19,469	9·6335	−8·1614	1·2894	9·3756	1547	11	
1322	+ 8 59 26,28	19,472	9·5933	−9·1813	1·2894	9·3745		12	
1323	+16 21 30,80	19,475	9·5428	−9·4372	1·2895	9·3736	1548	13	471 M
1324	+24 1 15,56	19,48	9·4786	−9·5976	1·2898	9·3671	1549	18	
1325	+14 14 7,61	19,508	9·5623	−9·3790	1·2902	9·3606	1550	20	472 M
1326	+13 46 26,82*	19,511	9·5658	−9·3651	1·2903	9·3596		22	
1327	− 2 43 18,22	19,529	9·6484	+8·6653	1·2907	9·3520	1551	23	473 M
1328	+ 2 56 40,10	19,539	9·6253	−8·6996	1·2909	9·3477	1552	24	
1329	+32 29 2,77	20,190*	9·3945	-					
1330	+34 1 18,59	−19,554	+9·3747	-					

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1331	55 Ursæ Maj. *p*	5	11 9 50,23	+3,304	−8·9236	+8·2709	+0·5190	−8·7236
1332	76 Leonis	6	10 10,90	3,081	8·8140	8·1581	0·4887	−7·4678
1333	12 Hyd. & Crat. δ	3·4	10 50,73	2,998	8·8267	8·1648	0·4768	+8·2060
1334	77 Leonis σ	4	12 21,77	3,071	8·8177	8·1417	0·4873	−7·9011
1335	Centauri π	4	13 16,40*	2,702	9·0411	8·3565	0·4316	+8·9466
1336	Leonis	7	14 35,56*	3,073	8·8154	8·1181	0·4875	−7·0845
1337	13 Hyd. & Crat. λ	6	14 56,73	2,984	8·8369	8·1361	0·4748	+8·3232
1338	78 Leonis ι	4	15 3,14	3,121	8·8243	8·1224	0·4943	−8·1226
1339	79 Leonis τ	5·6	15 18,49	3,079	8·8160	8·1116	0·4884	−7·4272
1340	14 Hyd. & Crat. ε	5	16 1,75	3,023	8·8224	8·1108	0·4805	+8·0589
1341	Leonis	6·7	16 9,48*	3,124	8·8261	8·1132	0·4947	−8·1568
1342	15 Hyd. & Crat. γ	4	16 23,28	2,992	8·8348	8·1195	0·4759	+8·2945
1343	81 Leonis	6	16 44,26*	3,147	8·8364	8·1176	0·4978	−8·3120
1344	82 Leonis	7	16 54,75	3,087	8·8174	8·0967	0·4895	−7·6860
1345	80 Leonis	7	17 5,42	3,089	8·8178	8·0953	0·4898	−7·7401
1346	16 Hyd. & Crat. κ	6	18 35,63	3,020	8·8255	8·0871	0·4799	+8·1222
1347	84 Leonis τ	4	19 11,31	3,084	8·8179	8·0732	0·4891	−7·6384
1348	Leonis	7	19 12,55*	3,065	8·8170	8·0720	0·4864	+6·9424
1349	85 Leonis	6	20 49,33	3,135	8·8355	8·0726	0·4962	−8·2850
1350	1 Draconis λ	3·4	21 13,18	3,695	9·2892	8·5218	0·5676	−9·2629
1351	86 Leonis	6	21 35,32	3,146	8·8430	8·0714	0·4978	−8·3632
1352	87 Leonis e	4·5	21 37,85	3,060	8·8181	8·0460	0·4857	+7·3750
1353	Hyd. & Crat.	7	23 17,77*	3,047	8·8203	8·0286	0·4839	+7·8041
1354	17 Hyd. & Crat.	5·6	23 52,65	2,955	8·8739	8·0751	0·4705	+8·5502
1355	Hyd. & Crat.	7	24 9,07*	3,043	8·8217	8·0196	0·4833	+7·9007
1356	19 Hyd. & Crat. ξ	4	24 38,77	2,945	8·8853	8·0770	0·4691	+8·5961
1357	89 Leonis H	6	25 39,61	3,082	8·8201	7·9990	0·4888	−7·6642
1358	90 Leonis C	6	25 50,93	3,131	8·8402	8·0167	0·4957	−8·3240
1359	Ursæ Min.	6	27 20,14*	3,172	8·8655	8·0333	0·5013	−8·5582
1360	Centauri λ	4	27 57,46*	2,717	9·1492	8·2976	0·4340	+9·0955
1361	21 Hyd. & Crat. ϑ	4	28 3,41	3,039	8·8249	7·9719	0·4827	+8·0125
1362	91 Leonis υ	4·5	28 10 4,51	3,068	8·8197	7·9642	0·4868	−6·1213
1363	1 Virginis ω	6·7	29 [illegible] 41,32	3,096	8·8256	7·9495	0·4908	−8·0235
1364	Virginis		80*	3,063	8·8203	7·9439	0·4862	+7·2368
1365	24 Hyd.			+3,030	−8·8302	+7·9491	+0·4815	+8·1575

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1331	+39° 7′ 5″,28	−19″,564	+9·3010	−9·7895	−1·2915	−9·3367	1555	33	
1332	+ 2 34 56,51	19,571	9·6274	−8·6434	1·2916	9·3338	1556	36	
1333	−13 51 28,34	19,583	9·6739	+9·3693	1·2919	9·3280	1557	38	
1334	+ 6 57 35,56	19,611	9·6085	−9·0740	1·2925	9·3146	1558	42	474 M
1335	−53 33 44,72*	19,627	9·6243	+9·8964	1·2929	9·3064			1004 C
1336	+ 1 3 53,24*	19,650	9·6335	−8·2605	1·2934	9·2941		50	
1337	−17 50 43,96	19,657	9·6749	+9·4779	1·2935	9·2908	1561	53	
1338	+11 27 57,09	19,658	9·5866	−9·2900	1·2935	9·2897	1560	54	475 M
1339	+ 2 20 30,01	19,663	9·6294	−8·6030	1·2936	9·2873	1562	56	476 M
1340	− 9 55 34,06	19,675	9·6637	+9·2284	1·2939	9·2803	1563	58	
1341	+12 21 52,04*	19,677	9·5832	−9·3227	1·2940	9·2791		60	
1342	−16 45 0,18	19,681	9·6730	+9·4518	1·2940	9·2768	1564	62	
1343	+17 23 28,53	19,687	9·5539	−9·4677	1·2942	9·2733	1565	64	
1344	+ 4 14 17,36	19,689	9·6222	−8·8609	1·2942	9·2716	1566	65	
1345	+ 4 47 46,74	19,692	9·6191	−8·9146	1·2943	9·2698	1567	67	
1346	−11 25 21,85	19,716	9·6637	+9·2896	1·2958	9·2545	1569	72	
1347	+ 3 47 33,45	19,726	9·6243	−8·8136	1·2950	9·2483	1570	76	478 M
1348	− 0 45 52,96*	19,726	9·6395	+8·1185	1·2950	9·2481		77	
1349	+16 21 7,31	19,750	+9·5658	−9·4432	1·2956	9·2307	1573	83	
1350	+70 16 4,13	19,756	−8·0792	−9·9675	1·2957	9·2264	1572	86	
1351	+19 20 46,76	19,762	+9·5490	−9·5141	1·2958	9·2222	1575	88	
1352	− 2 3 57,24	19,762	9·6435	+8·5508	1·2958	9·2218	1576	89	479 M
1353	− 5 31 40,62*	19,786	9·6503	+8·9782	1·2964	9·2027		94	480 M
1354	−28 19 44,96	19,794	9·6590	+9·6709	1·2965	9·1958	1578	96	1016 C
1355	− 6 53 19,67*	19,798	9·6532	+9·0736	1·2966	9·1925		98	481 M
1356	−30 55 4,00	19,805	9·6542	+9·7056	1·2968	9·1865	1580	103	1020 C
1357	+ 4 0 16,71	19,818	9·6263	−8·8392	1·2971	9·1740	1582	106	
1358	+17 44 11,74	19,820	9·5658	−9·4790	1·2971	9·1716	1583	109	
1359	+28 43 15,67*	19,839	9·4955	−9·6773	1·2975	9·1524		111	
1360	− [illegible] 4 50,04*	19,847	9·5132	+9·9420	1·2977	9·1441			1025 C
1361	− [illegible] 51 40,09	19,848	9·6532	+9·1834	1·2977	9·1428	1585	114	
1362	+ 0 6 53,09	19,850	9·6375	−7·2973	1·2978	9·1403	1586	116	482 M
1363	+ 9 [illegible] 4 29,14	19,868	9·6107	−9·1941	1·2981	9·1202	1590	125	483 M
1364	− 1 [illegible] 42,81*	19,868	9·6405	+8·4127	1·2982	9·1198		126	
1365	−12 15 [illegible]56,54	−19,872	+9·6551	+9·3235	−1·2982	−9·1152	1591	128	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1366	92 Leonis	5·6	11 31 55,90	+3,135	−8·8544	+7·9446	+0·4962	−8·4335
1367	Virginis	6·7	35 14,19*	3,054	8·8235	7·8589	0·4848	+7·8229
1368	27 Hyd.&Crat. ζ	4	36 8,93	3,025	8·8419	7·8608	0·4807	+8·3178
1369	2 Virginis ξ^1	5	36 30,29	3,090	8·8273	7·8396	0·4900	−8·0313
1370	63 Ursæ Maj. χ	4	37 1,77	3,220	9·0024	8·0048	0·5079	−8·8783
1371	3 Virginis ν	4·5	37 7,03	3,086	8·8255	7·8262	0·4893	−7·9401
1372	4 Virginis ξ^2	5·6	39 10,00	3,088	8·8277	7·7875	0·4896	−8·0311
1373	93 Leonis E	4	39 12,16	3,115	8·8524	7·8115	0·4934	−8·4100
1374	Hyd. & Crat.	6	40 10,46*	3,012	8·8679	7·8060	0·4789	+8·5067
1375	94 Leonis β	2·3	40 22,77	3,064	8·8385	7·7721	0·4863	−8·2660
1376	5 Virginis β	3·4	41 50,18	3,124*	8·8230	7·7230	0·4947	−7·4998
1377	Virginis B	6	42 20,59*	3,060	8·8239	7·7115	0·4857	+7·7075
1378	28 Hyd.&Crat. β	4	44 20,49	3,009	8·8991	7·7344	0·4784	+8·6348
1379	64 Ursæ Maj. γ	2	44 50,83	3,192	9·0605	7·8814	0·5041	−8·9719
1380	6 Virginis A	6	46 19,44	3,081	8·8290	7·6053	0·4887	−8·0416
1381	29 Hyd. & Crat.	6	47 2,33	3,029	8·8754	7·6283	0·4812	+8·5402
1382	30 Hyd.&Crat. η	6	47 21,66	3,047	8·8409	7·5828	0·4838	+8·2865
1383	Virginis	7	49 30,94	3,073	8·8248	7·4854	0·4875	−7·7125
1384	Chamæl. ε	5	51 14,04*	2,842	9·4807	9·9635	0·4536	+9·4699
1385	7 Virginis b	5·6	51 14,34	3,072	8·8250	7·4076	0·4874	−7·[illegible]294
1386	8 Virginis π	5	52 9,61	3,074	8·8274	7·3618	0·4877	−7·9467
1387	31 Hyd. & Crat.	5·6	52 9,78	3,053	8·8472	7·3814	0·4817	+8·3535
1388	Virginis	7	52 19,65*	3,067	8·8237	7·3486	0·4868	+6·9776
1389	1 Comæ Ber.	6	53 0,54	3,085	8·8598	7·3443	0·4893	−8·45[illegible]
1390	Virginis	7	55 3,97*	3,071	8·8266	7·1596	0·4873	−7·88[illegible]
1391	2 Comæ Ber.	6	55 33,16	3,079	8·8579	7·1459	0·4884	−8·[illegible]391
1392	9 Virginis o	4·5	56 32,71	3,071	8·8301	7·0083	0·4873	−8·[illegible]0557
1393	Virginis	7	57 17,68*	3,067	8·8242	6·8963	0·4868	+[illegible]4050
1394	Crucis η	4·5	58 5,24*	3,046	9·1769	7·0983	0·4837	9·1293
1395	Centauri δ	3	59 35,56*	3,065	9·0138	6·2641	0·4865	+8·8967
1396	1 Corvi α	4·5	11 59 39,52	3,067	8·8624	+6·0352	0·4867	+8·4680
1397	10 Virginis r	6	12 0 58,39	3,068	8·8244	−6·4525	0·4878	−7·5214
1398	2 Corvi ε	4	1 23,50	3,071	8·8557	6·6393	0·4873	+8·4232
1399	11 Virginis s	7	1 23,78	3,067	8·8269	6·6118	0·4867	−7·8974
1400	3 Corvi	6	12 2 19,39*	+3,074	−8·8588	−6·8647	+[illegible]4877	+8·4444

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1366	+22° 17′ 52″,46	−19″,892	+9·5515	−9·5759	−1·2987	−9·0869	1592	134	
1367	− 5 43 52,20*	19,926	9·6464	+8·9969	1·2994	9·0328		148	
1368	−17 24 19,64	19,934	9·6484	+9·4735	1·2996	9·0165	1598	150	
1369	+ 9 12 16,58	19,937	9·6149	−9·2017	1·2997	9·0100	1599	151	485 M
1370	+48 43 18,96	19,942	9·3243	−9·8738	1·2998	9·0003	1600	152	
1371	+ 7 28 55,01	19,943	9·6201	−9·1125	1·2998	8·9986	1601	153	486 M
1372	+ 9 11 26,66	19,960	9·6170	−9·2016	1·3002	8·9580	1602	158	487 M
1373	+21 9 50,60	19,960	9·5705	−9·5558	1·3002	8·9572	1603	159	
1374	−25 48 14,90*	19,968	9·6325	+9·6372	1·3003	8·9365		161	1039 C
1375	+15 31 24,30	19,969	9·5966	−9·4259	1·3004	8·9320	1605	163	488 M
1376	+ 2 43 22,36	19,980	9·6335	−8·6754	1·3006	8·8986	1606	166	489 M
1377	− 4 23 13,78*	19,983	9·6425	+8·8824	1·3007	8·8863		167	
1378	−32 57 44,96	19,996	9·6031	+9·7347	1·3009	8·8342	1607	172	1047 C
1379	+54 38 21,73	19,999	9·2945	−9·9105	1·3010	8·8200	1608	174	
1380	+ 9 23 24,82	20,007	9·6212	−9·2118	1·3012	8·7755	1611	185	490 M
1381	−27 31 43,97	20,011	9·6138	+9·6641	1·3013	8·7522	1614	191	
1382	−16 12 10,05	20,012	9·6355	+9·4450	1·3013	8·7413	1615	193	
1383	+ 4 25 44,08	20,022	9·6325	−8·8873	1·3015	8·6602	1616	203	492 M
1384	−77 16 35,18*	20,028	9·1239	+9·9889	1·3016	8·5825			1052 C
1385	+ 4 36 9,49	20,028	9·6335	−8·9041	1·3016	8·5823	1617	208	494 M
1386	+ 7 33 46,27	20,031	9·6284	−9·1190	1·3017	8·5340	1618	211	495 M
1387	−18 42 38,59	20,031	9·6253	+9·5060	1·3017	8·5339	1619	212	
1388	− 0 49 0,41*	20,031	9·6375	+8·1537	1·3017	8·5247		213	496 M
1389	+23 2 30,07	20,033	9·5877	−9·5924	1·3018	8·4843	1620	216	
1390	+ 6 30 34,36*	20,038	9·6325	−9·0544	1·3019	8·3329		222	497 M
1391	+22 24 27,11	20,039	9·5955	−9·5811	1·3019	8·2879	1622	224	
1392	+ 9 40 39,53	20,040	9·6284	−9·2255	1·3019	8·1782	1623	228	498 M
1393	− 2 10 59,25*	20,041	9·6375	+8·5808	1·3019	8·0721		230	499 M
1394	−63 39 57,24*	20,042	9·2989	+9·9524	1·3019	7·9214			1060 C
1395	−49 46 36,24*	20,043	9·4487	+9·8828	1·3020	7·2502			1064 C
1396	−23 46 47,51	20,043	9·6053	+9·6055	1·3020	−7·1727	1624	241	1065 C
1397	+ 2 51 9,64	20,042	9·6365	−8·6970	1·3020	+7·6281	1625	246	501 M
1398	−21 40 27,10	20,042	9·6031	+9·5674	1·3019	7·7835	1626	248	
1399	+ 6 45 16,56	20,042	9·6355	−9·0705	1·3019	7·7849	1627	249	502 M
1400	−22 39 15,90	−20,042	+9·5988	+9·5856	−1·3019	+8·0059	1629	4	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1401	Centauri ρ	4	12 2 47,24*	+3,088	−9·0290	−7·1141	+0·4897	+8·9221
1402	4 Comæ Ber.	6	3 13,03	3,059	8·8733	7·0207	0·4855	−8·5276
1403	5 Comæ Ber.	6	3 29,63	3,060	8·8551	7·0382	0·4857	−8·4190
1404	Draconis	5	4 8,10	2,949	9·5265	7·7829	0·4696	−9·5178
1405	12 Virginis t	6	4 45,94*	3,063	8·8322	7·1502	0·4861	−8·1209
1406	Crucis δ	3	6 8,52*	3,125	9·0972	7·5254	0·4948	+9·0247
1407	69 Ursæ Maj. δ	3	6 57,58	3,003	9·0992	7·5818	0·4776	−9·0275
1408	4 Corvi γ	3	7 4,21	3,080	8·8422	7·3316	0·4886	+8·2980
1409	6 Comæ Ber.	5	7 21,57	3,056	8·8405	7·3474	0·4851	−8·2768
1410	7 Comæ Ber. h	5	7 43,79	3,047	8·8660	7·3942	0·4839	−8·4902
1411	Chamæl. β	5	8 39,40*	3,313	9·5191	8·0965	0·5202	+9·5101
1412	13 Virginis n	6	9 57,36	3,068	8·8235	7·4617	0·4868	−6·2665
1413	14 Virginis H	6·7	10 35,47*	3,077	8·8277	7·4927	0·4881	+7·9695
1414	8 Comæ Ber.	6	10 43,08	3,040	8·8626	7·5329	0·4829	−8·4717
1415	15 Virginis η	3·4	11 12,63	3,068	8·8234	7·5132	0·4868	−6·5116
1416	10 Comæ Ber.	6	11 16,51*	3,031	8·8833	7·5756	0·4816	−8·5744
1417	16 Virginis c	5·6	11 42,42	3,026*	8·8245	7·5332	0·4809	−7·6955
1418	5 Corvi ζ	5·6	11 45,76	3,095	8·8540	7·5647	0·4906	+8·4136
1419	11 Comæ Ber. s	5	12 6,77	3,044	8·8469	7·5704	0·4835	−8·3537
1420	Corvi	6	12 9,48*	3,084	8·8339	7·5590	0·4891	+8·1734
1421	Crucis ε	4	12 13,14*	3,189	9·1173	7·8446	0·5036	+9·0525
1422	17 Virginis	6	13 52,68	3,059	8·8257	7·6084	0·4856	−7·8628
1423	12 Comæ Ber. e	5	13 56,89	3,027	8·8724	7·6573	0·4810	−8·5263
1424	6 Corvi ι	5·6	14 31,14	3,106	8·8620	7·6643	0·4921	+8·4695
1425	13 Comæ Ber. f	5	15 45,58	3,021	8·8732	7·7112	0·4802	−8·5308
1426	Crucis α^1	4	17 5,90*	3,257	9·1537	8·0273	0·5128	+9·1003
1427	Crucis α^2	1	17 11,10*	3,258	9·1533	8·0291	0·5129	+9·0999
1428	14 Comæ Ber. b	5	17 52,88	3,012	8·8775	7·7706	0·4789	−8·5521
1429	15 Comæ Ber. c	5	18 26,88	3,008	8·8816	7·7883	0·4783	−8·5701
1430	16 Comæ Ber. a	4·5	18 28,11	3,011	8·8756	7·7828	0·4788	−8·5439
1431	Centauuri σ	5	18 53,84*	3,196	9·0080	7·9252	0·5046	+8·8876
1432	Virginis	6·7	19 8,40*	3,075	8·8233	7·7461	0·4879	+7·6298
1433	Centauri u	4	19 22,13*	3,156	8·9264	7·8544	0·4992	+8·7167
1434	Virginis	7	19 38,52*	3,057	8·8242	7·7583	0·4853	−7·7930
1435	17 Comæ Ber. d	5·6	12 20 24,28	+3 008	−8·8717	−7·8224	+0·4782	−8·5266

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1401	−51° 25′ 27″,24*	−20″,041	+9·4166	+9·8931	−1·3019	+8·0851			1068 C
1402	+26 49 5,27	20,041	9·5944	−9·6543	1·3019	8·1474	1630	7	
1403	+21 29 22,17	20,040	9·6128	−9·5638	1·3019	8·1830	1632	9	
1404	+78 33 42,65	20,039	9·0170	−9·9912	1·3019	8·2563	1634	10	4 H
1405	+11 12 35,85	20,038	9·6335	−9·2886	1·3019	8·3179	1635	13	
1406	−57 48 15,24*	20,035	9·3181	+9·9273	1·3018	8·4281			1070 C
1407	+57 58 35,66	20,033	9·4082	−9·9281	1·3018	8·4824	1637	22	
1408	−16 35 45,67	20,033	9·6096	+9·4556	1·3017	8·4892	1638	24	
1409	+15 50 50,33	20,032	9·6304	−9·4361	1·3017	8·5066	1639	26	
1410	+24 53 30,63	20,031	9·6107	−9·6239	1·3017	8·5279	1641	28	
1411	−78 22 14,18*	20,028	8·6990	+9·9907	1·3016	8·5771			1071 C
1412	+ 0 9 32,22	20,024	9·6375	−7·4426	1·3015	8·6377	1643	38	504 M
1413	− 7 58 3,38	20,021	9·6274	+9·1413	1·3015	8·6646	1644	41	
1414	+23 58 57,16	20,021	9·6191	−9·6085	1·3015	8·6698	1645	42	
1415	+ 0 16 46,34	20,019	9·6375	−7·6877	1·3014	8·6892	1647	44	505 M
1416	+29 24 33,71	20,018	9·6042	−9·6906	1·3014	8·6918	1648	46	
1417	+ 4 15 39,16	20,016	9·6405	−8·8704	1·3014	8·7081	1652	50	506 M
1418	−21 16 10,66	20,017	9·5855	+9·5590	1·3014	8·7101	1653	51	
1419	+18 44 0,63	20,015	9·6314	−9·5061	1·3013	8·7228	1654	53	
1420	−12 37 17,88*	20,014	9·6149	+9·3389	1·3013	8·7245		54	
1421	−59 27 44,12*	20,014	9·2430	+9·9345	1·3013	8·7266			1076 C
1422	+ 6 15 11,09	20,006	9·6415	−9·0363	1·3012	8·7819	1657	58	507 M
1423	+26 47 24,56	20,005	9·6170	−9·6531	1·3011	8·7841	1658	59	
1424	−23 53 43,79	20,002	9·5694	+9·6067	1·3011	8·8015	1659	64	
1425	+27 2 32,72	19,995	9·6212	−9·6567	1·3009	8·8370	1661	70	
1426	−62 10 53,00*	19,987	9·1367	+9,9455	1·3007	8·8724			139 Fa.
1427	−62 9 28,00*	19,986	9·1367	+9·9453	1·3007	8·8746			1082 C
1428	+28 12 41,43	19,982	9·6222	−9·6733	1·3006	8·8918	1665	81	
1429	+29 12 52,81	19,978	9·6212	−9·6871	1·3005	8·9053	1666	84	
1430	+27 46 8,23	19,978	9·6253	−9·6669	1·3005	8·9058	1667	85	
1431	−49 17 1,88*	19,975	9·3444	+9·8782	1·3005	8·9157			1086 C
1432	− 3 40 19,69*	19,973	9·6314	+8·8050	1·3004	8·9213		91	510 M
1433	−38 5 45,35*	19,971	9·4624	+9·7887	1·3004	8·9264		92	1087 C
1434	+ 5 20 23,12*	19,969	9·6435	−8·9672	1·3004	8·9325		95	511 M
1435	+26 51 17,94	−19,963	+9·6304	−9·6532	−1·3002	+8·9490	1673	97	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1436	18 Comæ Ber.	6	12 20 56,00	+3,011	−8·8650	−7·8269	+0·4787	−8·491
1437	7 Corvi δ	3	21 5,05	3,102	8·8383	7·8033	0·4917	+8·267
1438	Virginis	6·7	21 19,92*	3,095	8·8324	7·8025	0·4907	+8·166
1439	Crucis γ	2·3	21 48,00*	3,257	9·0761	8·0557	0·5129	+8·995
1440	19 Virginis	6	21 55,19*	3,044	8·8295	7·8115	0·4834	−8·096
1441	Muscæ γ	4	22 27,44*	3,452	9·3134	8·3060	0·5380	+9·289
1442	21 Comæ Ber. g	5·6	22 30,72	3,006	8·8664	7·8600	0·4779	−8·500
1443	Virginis	6·7	22 54,71*	3,078	8·8229	7·8242	0·4882	+7·678
1444	8 Corvi η	4·5	23 19,26	3,105	8·8372	7·8463	0·4921	+8·257
1445	20 Virginis	6	24 26,28	3,040	8·8298	7·8594	0·4828	−8·119
1446	21 Virginis q	5·6	25 0,61	3,090	8·8261	7·8658	0·4899	+7·996
1447	22 Comæ Ber.	6	25 5,22	2,999	8·8648	7·9058	0·4770	−8·494
1448	9 Corvi β	2·3	25 27,79	3,129	8·8555	7·9030	0·4954	+8·437
1449	8 Canum Ven. d	4·5	25 39,11	2,864*	8·9521	8·0028	0·4570	−8·779
1450	5 Draconis κ	3·4	26 9,72	2,600*	9·3024	8·3618	0·4149	−9·277
1451	23 Comæ Ber. k	4·5	26 22,04*	3,001	8·8589	7·9217	0·4773	−8·460
1452	24 Comæ Ber. l	5·6	26 35,49	3,014	8·8461	7·9126	0·4791	−8·365
1453	Muscæ α	4	27 9,26*	3,463	9·2510	8·3267	0·5394	+9·218
1454	25 Virginis f	6·7	28 2,04	3,082	8·8222	7·9119	0·1888	+7·753
1455	25 Comæ Ber.	6	28 25,86	3,014	8·8424	7·9383	0·4792	−8·333
1456	Centauri τ	5	28 26,80*	3,249	8·9917	8·0878	0·5118	+8·8601
1457	Hyd.&Crat. d	5·6	28 42,26*	3,150	8·8676	7·9676	0·4963	+8·5124
1458	Virginis	7	29 42,38*	3,060	8·8208	7·9359	0·4857	−7·5085
1459	Virginis	6·7	29 59,25*	3,079	8·8210	7·9402	0·4883	+7·5988
1460	26 Virginis χ	6	30 28,33	3,090	8·8234	7·9497	0·4899	+7·9128
1461	26 Comæ Ber. m	6	30 38,97	2,996	8·8528	7·9817	0·4765	−8·4264
1462	Centauri l	5	30 42,25*	3,213	8·9298	8·0594	0·5069	+8·7291
1463	Centauri γ	3	32 11,72*	3,276	8·9943	8·1448	0·5153	+8·8655
1464	27 Virginis	6	32 59,33	3,030	8·8280	7·9892	0·4814	−8·1224
1465	29 Virginis γ¹	4	33 2,79	3,022*	8·8194	7·9814	0·4803	+6·7735
1466	— Virginis γ²	4	33 3,03	3,022*	8·8194	7·9814	0·4803	+6·7738
1467	28 Virginis	6	33 10,59	3,090	8·8222	7·9859	0·4900	+7·8802
1468	30 Virginis ρ	5	33 16,25	3,030	8·8276	7·9926	0·4814	−8·1156
1469	31 Virginis d¹	6	33 20,07	3,042	8·8233	7·9891	0·4831	−7·9527
1470	Hyd.&Crat. e	6	12 34 57,91*	+3,173	−8·8705	−8·0573	+0·5015	+8·5332

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1436	+25° 3′ 6″,16	−19″,959	+9·6355	−9·6250	−1·3001	+8·9601	1674	100	
1437	−15 34 1,27	19,958	9·5944	+9·4269	1·3001	8·9632	1675	101	
1438	−12 26 57,90*	19,956	9·6064	+9·3317	1·3001	8·9682		104	512 M
1439	−56 9 24,76*	19,952	9·2122	+9·9174	1·3000	8·9776			1088 C
1440	+10 39 38,24*	19,951	9·6484	−9·2652	1·3000	8·9800			846 Z
1441	−71 11 30,70*	19,946	8·6721	+9·9741	1·2999	8·9905			1090 C
1442	+25 30 29,51	19,946	9·6375	−9·6320	1·2999	8·9915	1679	109	
1443	− 4 6 47,42*	19,943	9·6294	+8·8535	1·2998	8·9992		111	514 M
1444	−15 15 7,85	19,939	9·5933	+9·4178	1·2997	9·0068	1681	115	
1445	+11 14 5,74	19,929	9·6503	−9·2872	1·2995	9·0271	1682	116	
1446	− 8 30 42,90	19,923	9·6160	+9·1677	1·2994	9·0371	1683	119	515 M
1447	+2[illegible]13 22,36	19,923	9·6435	−9·6269	1·2993	9·0384	1684	120	
1448	−22 27 19,56	19,919	9·5551	+9·5793	1·2993	9·0448	1685	123	
1449	+42 17 1,88	19,917	9·5977	−9·8252	1·2992	9·0480	1686	126	
1450	+70 43 33,19	19,912	9·3997	−9·9721	1·2991	9·0565	1689	129	
1451	+23 34 0,93*	19,910	9·6474	−9·5990	1·2991	9·0599		130	
1452	+19 18 53,74	19,908	9·6513	−9·5166	1·2990	9·0636	1688	133	
1453	−68 11 46,46*	19,902	8·7076	+9·9647	1·2989	9·0726			1092 C
1454	− 4 53 36,15	19,893	9·6253	+8·9277	1·2987	9·0864	1690	136	517 M
1455	+18 1 39,18	19,889	9·6542	−9·4873	1·2986	9·0925	1692	137	
1456	−47 36 9,34*	19,888	9·3054	+9·8650	1·2986	9·0927			1093 C
1457	−26 11 45,87*	19,886	9·5237	+9·6415	1·2985	9·0966		140	1094 C
1458	+ 2 47 32,67*	19,874	9·6425	−8·6840	1·2983	9·1115		142	
1459	− 3 26 13,44*	19,871	9·6284	+8·7741	1·2982	9·1155		143	
1460	− 7 3 26,71	19,866	9·6180	+9·0856	1·2981	9·1224	1694	146	518 M
1461	+21 59 56,40	19,864	9·6551	−9·5697	1·2981	9·1250	1695	151	
1462	−39 2 57,21*	19,863	9·4031	+9·7954	1·2980	9·1257		149	
1463	−48 1 21,10*	19,845	9·2695	+9·8669	1·2977	9·1462			1098 C
1464	+11 21 38,41	19,835	9·6571	−9·2899	1·2974	9·1567	1697	156	
1465	− 0 30 55,88	19,835	9·6365	+7·9496	1·2974	9·1574	1698	157	520 M
1466	− 0 30 56,88	19,835	9·6365	+7·9498	1·2974	9·1575	1699	158	521 M
1467	− 6 33 45,82	19,833	9·6180	+9·0534	1·2974	9·1591	1700	159	
1468	+11 10 31,21	19,832	9·6571	−9·2828	1·2974	9·1604	1701	160	
1469	+ 7 14 33,25	19,831	9·6532	−9·1248	1·2973	9·1612	1702	161	
1470	−27 23 16,65*	−19,810	+9·4983	+9·6577	−1·2969	+9·1818		168	1102 C

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1471	Muscæ β	4	12 35 58,36*	+3,564	−9·2298	−8·4292	+0·5520	+9·1944
1472	33 Virginis	6	37 44,38	3,027	8·8253	8·0459	0·4811	−8·0856
1473	Crucis β	2	37 51,98*	3,430	9·1031	8·3251	0·5353	+9·0350
1474	27 Comæ Ber. n	6	38 8,89*	2,998	8·8385	8·0638	0·4769	−8·3168
1475	34 Virginis	6	38 40,02	3,017	8·8288	8·0601	0·4795	−8·1773
1476	Virginis	6·7	38 46,55*	3,089	8·8196	8·0521	0·4898	+7·7907
1477	35 Virginis	6	39 11,88	3,050	8·8189	8·0562	0·4843	−7·7138
1478	29 Comæ Ber. o	6	40 22,17	3,005	8·8323	8·0827	0·4778	−8·2468
1479	30 Comæ Ber.	6	40 59,69	2,939	8·8729	8·1302	0·4682	−8·5514
1480	Virginis	6·7	42 32,49*	3,109	8·8223	8·0959	0·4926	+8·0358
1481	37 Virginis	6	42 57,64	3,051	8·8173	8·0953	0·4844	−7·6591
1482	31 Comæ Ber. p	5·6	43 24,40	2,932	8·8720	8·1547	0·4671	−8·5503
1483	Centauri n	5	44 2,99*	3,277	8·9269	8·2160	0·5154	+8·7281
1484	38 Virginis	6	44 29,05	3,080	8·8161	8·1097	0·4885	+7·4772
1485	Centauri o	5	44 40,10*	3,455	9·0709	8·3663	0·5385	+8·9907
1486	35 Comæ Ber. q	5	44 55,25*	2,962	8·8489	8·1468	0·4716	−8·4257
1487	41 Virginis	6	45 17,40*	3,006	8·8273	8·1288	0·4780	−8·1905
1488	40 Virginis ψ	5·6	45 31,33	3,108	8·8202	8·1240	0·4925	+7·9956
1489	77 Ursæ Maj. ε	3	46 30,93	2,655	9·0774	8·3909	0·4241	−9·0004
1490	42 Virginis	7	46 34,69*	3,027	8·8200	8·1340	0·4809	−8·0018
1491	43 Virginis δ	3·4	47 2,37	3,004*	8·8159	8·1344	0·4777	−7·6932
1492	12 Canum Ven. a	2·3	48 3,43	2,841	8·9253	8·2533	0·4535	−8·7264
1493	36 Comæ Ber. r	4·5	50 30,37	2,971	8·8359	8·1862	0·4729	−8·3335
1494	Muscæ δ	4	50 41,94*	3,902	9·2925	8·6444	0·5913	+9·2671
1495	44 Virginis k^1	6	50 54,24	3,083	8·8137	8·1675	0·4890	+7·5165
1496	46 Virginis k^3	6·7	51 50,75	3,081	8·8131	8·1751	0·4887	+7·4442
1497	37 Comæ Ber.	5	52 8,38	2,882	8·8828	8·2473	0·4597	−8·6034
1498	38 Comæ Ber.	6	52 44,45	2,969	8·8342	8·2039	0·4726	−8·3252
1499	47 Virginis ε	3·4	53 42,77	3,003	8·8213	8·1992	0·4775	−8·1347
1500	48 Virginis k^4	6	55 8,88	3,083	8·8117	8·2016	0·4890	+7·4920
1501	Centauri ξ^2	5	57 [illegible]04*	3,447	8·9933	8·3985	0·5374	+8·8710
1502	Virginis	6·7	57 29,3[illegible]*	3,151	8·8232	8·2318	0·4984	+8·2070
1503	14 Canum Ven. f	5	57 46,76[illegible]	2,820	8·9060	8·3169	0·4502	−8·6825
1504	39 Comæ Ber. t	5	58 3,69	[illegible]932	8·8429	8·2560	0·4672	−8·4177
1505	40 Comæ Ber.	6	12 58 4,87	+2,922	−8·8475	−8·2608	+0·4657	−8·4488

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1471	−67° 10′ 30″,80*	−19″,796	+8·3802	+9·9592	−1·2966	+9·1940			1104 C
1472	+10 29 32,39	19,771	9·6599	−9·2544	1·2960	9·2147	1706	173	
1473	−58 45 22,62*	19,770	8·9243	+9·9260	1·2960	9·2161			1107 C
1474	+17 30 30,37*	19,766	9·6665	−9·4723	1·2959	9·2193		177	
1475	+12 53 27,24	19,758	9·6628	−9·3423	1·2957	9·2251	1707	182	
1476	− 5 22 8,57*	19,756	9·6191	+8·9649	1·2957	9·2263		183	522 M
1477	+ 4 30 11,40	19,750	9·6493	−8·8886	1·2956	9·2310	1708	184	
1478	+15 3 12,66	19,732	9·6675	−9·4077	1·2952	9·2436	1710	189	
1479	+28 28 53,86	19,723	9·6684	−9·6714	1·2950	9·2502	1711	192	
1480	− 9 24 37,87*	19,698	9·5999	+9·2060	1·2944	9·2661		196	524 M
1481	+ 3 59 2,34	19,691	9·6493	−8·8342	1·2943	9·2703	1714	199	
1482	+28 28 5,25	19,684	9·6739	−9·6704	1·2941	9·2748	1715	200	
1483	−39 15 3,66*	19,674	9·3324	+9·7931	1·2939	9.2811		205	1112 C
1484	− 2 37 35,14	19,666	9·6284	+8·6529	1·2937	9·2853	1718	208	525 M
1485	−56 15 5,02*	19,663	8·9031	+9·9116	1·2937	9·2871			1114 C
1486	+22 10 17,86	19,659	9·6767	−9·5684	1·2936	9·2895	1719	212	
1487	+13 20 43,73	19,653	9·6693	−9·3547	1·2934	9·2930	1720	213	
1488	− 8 36 47,69	19,649	9·6010	+9·1668	1·2933	9·2952	1721	214	526 M
1489	+56 52 59,79	19,631	9·6085	−9·9140	1·2929	9·3044	1722	220	
1490	+ 8 44 33,66*	19,630	9·6628	−9·1728	1·2929	9·3050			886 Z
1491	+ 4 19 25,31	19,622	9·6513	−8·8681	1·2927	9·3092	1723	223	527 M
1492	+39 14 18,00	19,604	9·6702	−9·7915	1·2923	9·3184	1725	226	
1493	+18 19 48,56	19,558	+9·6821	−9·4870	1·2913	9·3396	1728	236	
1494	−70 37 42,36*	19,554	−8·7993	+9·9640	1·2912	9·3413			1119 C
1495	− 2 53 29,97	19,550	+9·6253	+8·6920	1·2912	9·3430	1729	237	528 M
1496	− 2 27 3,91	19,532	9·6274	+8·6199	1·2907	9·3508	1732	241	
1497	+31 42 18,46	19,526	9·6884	−9·7093	1·2906	9·3532	1733	242	
1498	+18 2 34,75	19,514	9·6848	−9·4794	1·2904	9·3581	1734	245	
1499	+11 52 33,22	19,495	9·6749	−9·3014	1·2899	9·3659	1735	249	529 M
1500	− 2 44 42,97	19,465	9·6263	+8·6676	1·2893	9·3771	1738	254	530 M
1501	−48 59 25,58*	19,425	8·9956	+9·8641	1·2884	9·3916			1126 C
1502	−14 0 13,51*	19,415	9·5575	+9·3700	1·2881	9·3948		262	
1503	+36 42 37,94	19,409	9·6964	−9·7626	1·2880	9·3970	1739	266	
1504	+22 4 4,09	19,403	9·6955	−9·5608	1·2879	9·3990	1740	267	
1505	+23 31 50,91	−19,402	+9·6972	−9·5871	−1·2879	+9 3992	1741	269	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1506	49 Virginis *g*	5·6	12 59 0,14	+3,127	−8·8158	−8·2362	+0·4951	+8·0480
1507	41 Comæ Ber. *u*	4	59 0,40	2,883	8·8656	8·2861	0·4598	−8·5448
1508	Comæ Ber.	6	59 45,53*	2,881	8·8650	8·2912	0·4596	−8·5432
1509	1 Hydræ con. ψ	4·5	12 59 54,48	3,209	8·8424	8·2697	0·5064	+8·4198
1510	50 Virginis	6	13 0 51,96	3,126	8·8143	8·2489	0·4950	+8·0284
1511	51 Virginis θ	4·5	1 9,35	3,097	8·8097	8·2464	0·4909	+7·7166
1512	Centauri *w*	5	1 42,25*	3,393	8·9401	8·3809	0·5306	+8·7694
1513	42 Comæ Ber. *v*	4·5	1 42,58	2,950	8·8308	8·2717	0·4697	−8·3308
1514	53 Virginis	5	3 1,07	3,167	8·8229	8·2733	0·5007	+8·2437
1515	43 Comæ Ber. *w*	6	3 54,91	2,787*	8·8639	8·3208	0·4451	−8·5459
1516	Virginis	6	4 5,30*	2,987	8·8171	8·2752	0·4752	−8·1511
1517	55 Virginis	6	5 6,01	3,197	8·8306	8·2959	0·5048	+8·3440
1518	Virginis	7	5 18,06*	3,053	8·8064	8·2731	0·4847	−7·4216
1519	57 Virginis	6	6 47,75	3,201	8·8296	8·3067	0·5052	+8·3430
1520	59 Virginis *e*	6	8 20,12	2,997	8·8114	8·2990	0·4766	−8·0644
1521	58 Virginis	6	8 33,16	3,135	8·8104	8·2994	0·4962	+8·0346
1522	60 Virginis σ	6	9 1,04	3,024	8·8066	8·2988	0·4806	−7·8517
1523	61 Virginis	4·5	9 31,16	3,106*	8·8239	8·3194	0·4922	+8·2987
1524	2 Hydræ con. γ	4·5	9 41,68	3,232	8·8372	8·3339	0·5095	+8·4158
1525	20 Canum Ven. *h*	5	9 53,97	2,713	8·9287	8·4268	0·4335	−8·7498
1526	21 Canum Ven.	5	10 59,54	2,573	8·9999	8·5052	0·4104	−8·8878
1527	Centauri *i*	3	11 4,90*	3,362	8·8937	8·3995	0·5266	+8·6609
1528	62 Virginis	7	11 24,87	3,143	8·8097	8·3177	0·4974	+8·0655
1529	64 Virginis *u*	6	13 35,41	3,023	8·8035	8·3255	0·4805	−7·8264
1530	63 Virginis	6	13 55,18	3,196	8·8200	8·3440	0·5046	+8·2819
1531	65 Virginis	6	14 31,05	3,098	8·8016	8·3294	0·4911	+7·6486
1532	66 Virginis	6	15 42,51	3,100	8·8010	8·3362	0·4914	+7·6731
1533	67 Virginis α	1	16 14,71	3,147	8·8064	8·3449	0·4979	+8·0576
1534	79 Ursæ Maj. ζ	3	17 2,49	2,419	9·0493	8·5926	0·3837	−8·9669
1535	68 Virginis *i*	5	17 44,45	3,161	8·8077	8·3553	0·4998	+8·1192
1536	69 Virginis P	5·6	18 23,57	3,189	8·8132	8·3647	0·5036	+8·2287
1537	80 Ursæ Maj. *g*	5	18 23,90	2,407	9·0490	8·6006	0·3814	−8·9670
1538	70 Virginis *w*	5·6	20 6,90	2,948	8·8112	8·3730	0·4695	−8·2154
1539	Hydræ con. *u*	var.	20 26,50*	3,257	8·8307	8·3943	0·5129	+8·4116
1540	Virginis	7	13 20 31,65*	+3,072	−8·7965	−8·3607	+0·4874	+6·7179

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1506	− 9° 49′ 40″,71	−19″,382	+9·5855	+9·2177	−1·2874	+9·4059	1742	272	531 M
1507	+28 32 22,25	19,382	9·7016	−9·6647	1·2874	9·4059	1743	273	
1508	+28 28 16,96*	19,365	9·7033	−9·6633	1·2870	9·4113	1745		
1509	−22 12 23,80	19,362	9·4829	+9·5624	1·2869	9·4123	1744	276	
1510	− 9 25 19,94	19,340	9·5855	+9·1986	1·2865	6·4191	1746	280	
1511	− 4 37 44,08	19,333	9·6149	+8·8912	1·2863	9·4211	1747	281	532 M
1512	−42 27 34,25*	19,320	9·1461	+9·8134	1·2860	9·4249		1	1133 C
1513	+18 25 51,69	19,320	9·6955	−9·4840	1·2860	9·4249	1748	2	
1514	−15 16 41,03	19,290	9·5403	+9·4042	1·2853	9·4338	1752	9	533 M
1515	+28 44 36,04	18,428*	9·7101	−9·6649	1·2631	9·4398	1755	15	
1516	+12 27 47,20*	19,264	9·6848	−9·3169	1·2847	9·4409		16	
1517	−19 2 3,00	19,239	9·5038	+9·4956	1·2842	9·4475	1756	20	
1518	+ 2 21 47,36*	19,235	9·6493	−8·5974	1·2841	9·4488		21	534 M
1519	−19 2 5,69	19,197	9·4997	+9·4947	1·2832	9·4584	1758	29	
1520	+10 18 55,62	19,158	9·6812	−9·2334	1·2824	9·4680	1760	37	
1521	− 9 38 48,79	19,153	9·5786	+9·2045	1·2822	9·4693	1761	38	
1522	+ 6 22 9,30	19,141	9·6665	−9·0251	1·2820	9·4722	1762	42	
1523	−17 21 44,99	20,208*	9·5119	+9·4545	1·3055	9·4752	1763	44	535 M
1524	−22 16 14,03	19,123	9·4609	+9·5582	1·2816	9·4763	1764	45	536 M
1525	+41 28 14,58	19,117	9·7193	−9·8005	1·2814	9·4775	1765	48	
1526	+50 34 38,75	19,089	9·7084	−9·8667	1·2808	9·4841	1767	54	
1527	−35 48 41,30*	19,086	9·2380	+9·7460	1·2807	9·4846		53	1143 C
1528	−10 24 24,41	19,077	9·5705	+9·2354	1·2805	9·4866	1766	55	
1529	+ 6 2 58,89	19,018	9·6675	−9·0000	1·2792	9·4991	1770	66	
1530	−16 50 27,83	19,009	9·5092	+9·4390	1·2790	9·5010	1771	68	538 M
1531	− 4 1 54,58	18,992	9·6138	+8·8237	1·2786	9·5044	1772	70	
1532	− 4 16 18,74	18,959	9·6117	+8·8480	1·2778	9·5110	1773	73	
1533	−10 16 13,13	18,944	9·5670	+9·2266	1·2775	9·5140	1774	75	539 M
1534	+55 48 56,84	18,921	9·7135	−9·8926	1·2769	9·5183	1776	78	
1535	−11 49 12,95	18,901	9·5527	+9·2859	1·2765	9·5221	1775	80	540 M
1536	−15 5 17,01	18,882	9·5211	+9·3896	1·2760	9·5256	1778	82	541 M
1537	+55 52 31,74	18,881	9·7168	−9·8920	1·2760	9·5256	1779	85	
1538	+14 41 25,82	19,360*	9·7050	−9·3771	1·2869	9·5347	1780	90	
1539	−22 23 57,19*	18,821	9·4314	+9·5537	1·2746	9·5363		94	
1540	− 0 28 40,97*	−18,818	+9·6345	+7·8940	−1·2746	+9·5368		95	542 M

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1541	71 Virginis l^1	6	13 20 47,52	+2,972	−8·8055	−8.3712	+0·4731	−8·1126
1542	Centauri *d*	4	21 13,17*	3,437	8·9027	8·4709	0·5362	+8·6970
1543	73 Virginis	6	22 53,22	3,220	8·8163	8·3941	0·5079	+8·3027
1544	Centauri *s*	6	23 5,99*	3,327	8·8516	8·4306	0·5221	+8·5328
1545	74 Virginis l^2	6	23 7,83	3,113	8·7966	8·3758	0·4931	+7·7681
1546	75 Virginis	6	23 47,00	3,191	8·8082	8·3912	0·5040	+8·2064
1547	76 Virginis *h*	6	24 1,04	3,146	8·7998	8·3841	0·4978	+8·0075
1548	77 Virginis	7	24 32,09*	3,125	8·7967	8·3839	0·4949	+7·8665
1549	78 Virginis	6	25 30,34	3,029	8·7943	8·3870	0·4814	−7·6924
1550	79 Virginis ζ	4	26 2,26	3,066	8·7926	8·3882	0·4865	−6·4777
1551	80 Virginis l^3	6	26 40,95	3,107	8·7934	8·3926	0·4924	+7·6906
1552	Hydræ con. *f*	6	27 24,17*	3,307	8·8365	8·4396	0·5194	+8·4724
1553	Centauri *t*	6	29 10,59*	3,345	8·8470	8·4598	0·5244	+8·5283
1554	Centauri ε	3	29 11,18*	3,731	9·0067	8·6195	0·5718	+8·9067
1555	1 Bootis	6	32 32,61	2,868	8·8168	8·4475	0·4576	−8·3675
1556	82 Virginis *m*	5·6	32 41,81	3,140	8·7915	8·4230	0·4970	+7·9264
1557	2 Bootis	6	32 59,19	2,840	8·8243	8·4573	0·4533	−8·4226
1558	84 Virginis *o*	6	34 30,86	3,027	8·7872	8·4281	0·4810	−7·6723
1559	Virginis	7	35 3,98*	3,112	8·7868	8·4307	0·4930	+7·6946
1560	83 Virginis	6	35 19,36	3,216	8·8009	8·4460	0·5073	+8·2229
1561	Virginis	7	36 2,63*	3,133	8·7876	8·4365	0·4959	+7·8595
1562	1 Centauri *i*	5	36 4,03	3,410	8·8570	8·5059	0·5328	+8·5834
1563	Hydræ con. *g*	6	36 8,95*	3,325	8·8282	8·4775	0·5218	+8·4587
1564	85 Virginis	6	36 26,19	3,213	8·7991	8·4499	0·5070	+8·2096
1565	86 Virginis O	6	36 53,21	3,180	8·7928	8·4459	0·5025	+8·0951
1566	Solitarii	7	37 57,59*	3,252	8·8058	8·4643	0·5122	+8·3050
1567	87 Virginis	6	38 10,90	3,238	8·8022	8·4618	0·5102	+8·2682
1568	3 Bootis	6	38 49,24	2,789	8·8306	8·4935	0·4454	−8·4811
1569	4 Bootis τ	5	39 10,53	2,883	8·8045	8·4691	0·4598	−8·3016
1570	Centauri ν	4	39 20,72*	3,553	8·9029	8·5683	0·5506	+8·7184
1571	88 Virginis	7	39 24,70	3,127	8·7841	8·4498	0·4951	+7·8022
1572	Centauri μ	4	39 24,98*	3,567	8·9081	8·5738	0·5523	+8·7304
1573	2 Centauri *g*	5	39 37,44	3,442	8·8609	8·5277	0·5368	+8·6039
1574	89 Virginis *x*	5·6	40 38,70	3,245	8·8007	8·4725	0·5112	+8·2735
1575	85 Ursæ Maj. η	2·3	13 40 49,37	+2,353*	−8·9739	−8·6466	+0·3715	−8·8592

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1541	+11° 42′ 10″,09	−18″,810	+9·6946	−9·2796	−1·2744	+9·5382	1781	98	
1542	−38 31 30,23*	18,797	9·0934	+9·7665	1·2741	9·5403		99	1150 C
1543	−17 50 56,46	18,746	9·4843	+9·4574	1·2729	9·5488	1783	111	
1544	−28 41 11,99*	18,739	9·3243	+9·6521	1·2728	9·5499		112	1151 C
1545	− 5 22 25,39	18,739	9·6010	+8·9423	1·2727	9·5500	1784	115	544 M
1546	−14 29 5,32*	18,718	9·5198	+9·3685	1·2723	9·5533	1785	117	
1547	− 9 17 6,84	18,711	9·5682	+9·1779	1·2721	9·5544	1786	118	545 M
1548	− 6 44 41,16	18,695	9·5899	+9·0396	1·2717	9·5570	1787	121	
1549	+ 4 32 9,79	18,664	9·6646	−8·8672	1·2710	9·5617	1788	125	
1550	+ 0 16 39,25	18,647	9·6395	−7·6538	1·2706	9·5643	1789	128	546 M
1551	− 4 31 34,01	18,626	9·6064	+8·8653	1·2701	9·5673	1790	130	547 M
1552	−25 37 26,92*	18,603	9·3617	+9·6036	1·2696	9·5708		135	1153 C
1553	−28 41 17,20*	18,544	+9·2989	+9·6475	1·2682	9·5791		146	1156 C
1554	−52 35 46,30*	18,544	−8·5682	+9·8663	1·2682	9·5791			1155 C
1555	+20 49 7,10	18,431	+9·7372	−9·5143	1·2655	9·5943	1797	160	
1556	− 7 50 28,05	18,425	9·5752	+9·0984	1·2654	9·5950	1796	162	548 M
1557	+23 21 40,22	18,415	9·7443	−9·5615	1·2652	9·5963	1798	164	
1558	+ 4 24 8,31	18,362	9·6665	−8·8471	1·2639	9·6029	1800	169	
1559	− 4 38 18,15*	18,343	9·6021	+8·8693	1·2635	9·6053		174	549 M
1560	−15 19 10,95	18,334	9·4942	+9·3832	1·2633	9·6064	1801	176	
1561	− 6 46 35,62*	18,308	9·5832	+9·0326	1·2626	9·6095		179	
1562	−32 10 50,06	18,307	9·1761	+9·6871	1·2626	9·6096	1803	178	1162 C
1563	−25 15 31,06*	18,305	9·3404	+9·5907	1·2626	9·6099		180	1163 C
1564	−14 54 32,58	18,294	9·4969	+9·3708	1·2623	9·6112	1804	181	
1565	−11 34 13,35	18,278	9·5353	+9·2622	1·2619	9·6131	1805	186	551 M
1566	−18 24 4,40*	18,239	9·4487	+9·4583	1·2610	9·6176		190	
1567	−17 0 13,09	18,231	9·4683	+9·4249	1·2608	9·6185	1806	191	552 M
1568	+26 33 29,71	18,208	9·7597	−9·6087	1·2603	9·6211	1808	196	
1569	+18 18 29,86	18,195	9·7356	−9·4551	1·2600	9·6226	1810	199	
1570	−40 50 7,68*	18,189	8·7243	+9·7734	1·2598	9·6233		197	1165 C
1571	− 5 59 6,96	18,186	9·5888	+8·9760	1·2597	9·6235	1809	201	
1572	−41 37 18,11*	18,186	8·6532	+9·7801	1·2597	9·6236		198	1166 C
1573	−33 35 55,26	18,179	9·1072	+9·7006	1·2596	9·6244	1807	202	1167 C
1574	−17 16 54,76	18,141	9·4594	+9·4296	1·2587	9·6286	1811	204	553 M
1575	+50 9 54,39	−18,134	+9·7818	−9·8418	−1·2585	+9·6293	1815	209	554 M

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
1576	Solitarii	7	13 40 54,69*	+3,276	−8·8074	−8·4806	+0·5153	+8·3419
1577	5 Bootis υ	4	41 16,22	2,897	8·7986	8·4736	0·4620	−8·2557
1578	6 Bootis	6	41 40,51	2,835	8·8129	8·4898	0·4526	−8·3885
1579	3 Centauri k	4·5	42 3,34	3,430	8·8516	8·5304	0·5353	+8·5776
1580	4 Centauri h	5	43 27,04	3,419	8·8454	8·5309	0·5339	+8·5583
1581	Hydræ con.	6	44 40,99*	3,378	8·8299	8·5214	0·5286	+8·4976
1582	Centauri ζ	3	44 59,15*	3,690	8·9384	8·6313	0·5670	+8·7986
1583	7 Bootis	6	45 4,81	2,867	8·8003	8·4937	0·4574	−8·3080
1584	90 Virginis p	6	45 58,85	3,075	8·7757	8·4734	0·4878	+6·8386
1585	Virginis	7	46 4,39	3,144	8·7791	8·4772	0·4974	+7·8782
1586	10 Draconis i	4·5	46 26,73	1,751	9·1586	8·8585	0·2432	−9·1179
1587	8 Bootis η	3	46 35,18	2,859	8·8001	8·5007	0·4562	−8·3183
1588	Centauri φ	5	47 58,53*	3,600	8·8978	8·6048	0·5563	+8·7170
1589	Centauri υ^1	5	48 13,61*	3,654	8·9164	8·6246	0·5628	+8·7579
1590	9 Bootis l	5	48 48,14	2,739	8·8284	8·5393	0·4375	−8·3047
1591	3 Hydræ con. S^1	6	48 59,08	3,342	8·8126	8·5243	0·5240	+8·4242
1592	4 Hydræ con. S^2	6	50 30,19	3,346	8·8112	8·5300	0·5245	+8·4235
1593	Virginis	7	51 1,25*	3,098	8·7713	8·4925	0·4910	+7·4471
1594	Virginis	7	51 7,40*	3,148	8·7743	8·4959	0·4980	+7·8801
1595	Centauri υ^2	5	51 9,95*	3,686	8·9195	8·6413	0·5666	+8·7673
1596	Centauri β	1	51 55,44*	4,134	9·0650	8·7904	0·6164	+9·0006
1597	Hydræ con. h	5·6	52 44,09*	3,384	8·8177	8·5467	0·5294	+8·4688
1598	93 Virginis τ	4·5	52 59,99	3,042	8·7692	8·4994	0·4831	−7·3860
1599	11 Bootis	6	53 26,87	2,728	8·8233	8·5556	0·4358	−8·4979
1600	Virginis	6·7	55 15,49*	3,230	8·7799	8·5203	0·5093	+8·1681
1601	Virginis	7	55 21,86*	3,164	8·7711	8·5120	0·5002	+7·9376
1602	Centauri χ	5	55 41,90*	3,617	8·8841	8·6265	0·5584	+8·6954
1603	5 Hydræ con. π	4·5	56 42,64	3,384	8·8108	8·5577	0·5294	+8·4504
1604	5 Centauri θ	2	56 43,09	3,491*	8·8544	8·6014	0·5430	+8·6187
1605	94 Virginis	6	57 18,06	3,161	8·7687	8·5182	0·4998	+7·9163
1606	95 Virginis	6	57 43,69	3,166	8·7687	8·5201	0·5005	+7·9382
1607	11 Draconis α	3·4	59 46,57	1,625	9·1388	8·8993	0·2109	−9·0968
1608	96 Virginis y	6·7	13 59 57,49	3,180	8·7675	8·5288	0·5024	+7·9862
1609	Octantis δ	5	14 0 42,98*	8,440	9·6670	9·4516	0·9264	+9·6636
1610	Virginis	6	14 1 33,71*	+3,255	−8·7758	−8·5440	+0·5126	+8·2025

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Z.ch, &c.
1576	−20° 1′ 14″,68*	−18″,131	+9·4183	+9·4910	−1·2584	+9·6296		206	
1577	+16 38 45,02	18,118	9·7308	−9·4132	1·2581	9·6311	1813	210	
1578	+22 6 42,45	18,102	9·7513	−9·5314	1·2577	9·6327	1816	215	
1579	−32 8 47,69	18,088	9·1399	+9·6814	1·2574	9·6342	1814	216	1171 C
1580	−31 4 57,90	18,035	9·1673	+9·6670	1·2561	9·6397	1817	221	1173 C
1581	−27 43 30,15*	17,988	+9·2529	+9·6207	1·2550	9·6445		230	1179 C
1582	−46 26 44,39*	17,976	−8·3222	+9·8129	1·2547	9·6457		231	1177 C
1583	+18 46 27,56	17,973	+9·7427	−9·4603	1·2546	9·6460	1818	234	
1584	− 0 39 44,44	17,938	9·6325	+8·0147	1·2538	9·6495	1819	237	555 M
1585	− 7 13 5,38*	17,934	9·5740	+9·0509	1·2537	9·6498	1820	238	
1586	+65 33 51,15	17,919	9·7694	−9·9106	1·2533	9·6512	1823	243	
1587	+19 15 13,89	17,914	9·7466	−9·4694	1·2532	9·6518	1821	240	
1588	−41 15 52,18*	17,859	+8·4314	+9·7691	1·2519	9·6570		246	1182 C
1589	−43 58 0,60*	17,849	−7·6021	+9·7912	1·2516	9·6579		249	1183 C
1590	+28 19 44,50	17,826	+9·7774	−9·6254	1·2511	9·6600	1826	254	
1591	−24 8 13,93	17,819	9·3201	+9·5606	1·2509	9·6607	1825	253	
1592	−24 10 31,66	17,758	9·3139	+9·5597	1·2494	9·6662	1827	262	
1593	− 2 43 0,58*	17,737	9·6149	+8·6227	1·2489	9·6681		269	
1594	− 7 19 47,27*	17,732	+9·5694	+9·0526	1·2488	9·6685		270	556 M
1595	−44 46 28,58*	17,731	−8·3010	+9·7945	1·2487	9·6686		267	1184 C
1596	−59 32 45,26*	17,700	−9·2648	+9·8815	1·2480	9·6713			1185 C
1597	−26 36 13,07*	17,666	+9·2455	+9·5963	1·2471	9·6742		274	1187 C
1598	+ 2 22 16,94	17,655	9·6571	−8·5617	1·2469	9·6752	1829	275	
1599	+28 12 40,68	17,637	9·7832	−9·6191	1·2464	9·6767	1830	282	
1600	−14 8 59,09*	17,561	9·4814	+9·3308	1·2446	9·6830		286	
1601	− 8 26 10,73*	17,557	9·5539	+9·1089	1·2444	9·6834		287	557 M
1602	−40 21 31,46*	17,542	8·2553	+9·7534	1·2441	9·6845		288	1191 C
1603	−25 51 31,33	17,499	9·2504	+9·5807	1·2430	9·6880	1832	295	1193 C
1604	−35 31 46,94	17,499	8·8451	+9·7053	1·2430	9·6880	1831	293	558 M
1605	− 8 4 30,58	17,474	9·5575	+9·0880	1·2424	9·6900	1833	297	559 M
1606	− 8 29 48,72	17,456	9·5515	+9·1095	1·2419	9·6914	1834	299	560 M
1607	+65 11 25,82	17,367	9·8028	−9·8957	1·2397	9·6982	1836	312	
1608	− 9 31 27,83	17,359	+9·5378	+9·1563	1·2395	9·6988	1835	311	
1609	−82 52 24,16*	17,326	−9·6484	+9·9334	1·2387	9·7013			1190 C
1610	−15 29 38,28*	−17,289	+9·4518	+9·3625	−1·2378	+9·7041		317	562 M

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					a	*b*	*c*	*d*
			h m s	s				
1611	12 Bootis *d*	5·6	14 2 38,49	+2,737	−8·8045	−8·5774	+0·4373	−8·4448
1612	6 Hydræ con.	5	3 3,03	3,408	8·8061	8·5808	0·5325	+8·4549
1613	97 Virginis	7	3 30,13	3,178	8·7630	8·5397	0·5021	+7·9619
1614	Virginis	6	3 39,92*	3,029	8·7580	8·5354	0·4814	−7·5068
1615	98 Virginis *κ*	4	3 50,36	3,183	8·7631	8·5412	0·5028	+7·9798
1616	14 Bootis *q*	6	5 54,45	2,897	8·7674	8·5544	0·4620	−8·1438
1617	Virginis	6	6 2,57*	3,287	8·7750	8·5625	0·5168	+8·2508
1618	15 Bootis *v*	6	6 31,45	2,933	8·7620	8·5515	0·4673	−8·0389
1619	99 Virginis *ι*	4	7 6,57	3,132	8·7552	8·5472	0·4958	+7·7111
1620	16 Bootis *α*	1	7 54,29	2,731*	8·7797	8·5750	0·4364	−8·3152
1621	Bootis	6	8 4,31*	2,814	8·7785	8·5746	0·4494	−8·3064
1622	Lupi *ι*	4·5	8 33,37*	3,786	8·9042	8·7023	0·5781	+8·7557
1623	19 Bootis *λ*	4	9 54,50	2,265*	8·9152	8·7190	0·3551	−8·7785
1624	100 Virginis *λ*	4	9 55,26	3,228	8·7606	8·5644	0·5090	+8·0988
1625	21 Bootis *ι*	4·5	10 7,99	2,143	8·9619	8·7667	0·3310	−8·8594
1626	102 Virginis v^1	6	10 47,42	3,087	8·7491	8·5566	0·4895	+7·1597
1627	18 Bootis *t*	6	11 2,23	2,891	8·7614	8·5699	0·4610	−8·1388
1628	20 Bootis *y*	6	11 42,09	2,845	8·7675	8·5788	0·4540	−8·2357
1629	103 Virginis v^2	6	13 13,16	3,083	8·7461	8·5636	0·4890	+7·0693
1630	7 Hydræ con.	6	13 19,02	3,442	8·7959	8·6138	0·5368	+8·1525
1631	2 Libræ	6	14 16,64	3,211	8·7526	8·5745	0·5066	+8·0306
1632	Bootis	6	15 1,10*	2,947	8·7494	8·5744	0·4694	−7·9543
1633	Solitarii	6	15 7,73*	3,399	8·7830	8·6084	0·5314	+8·3928
1634	1 Lupi τ^1	5	15 15,83*	3,797	8·8898	8·7157	0·5795	+8·7350
1635	2 Lupi τ^2	5	15 17,17*	3,802	8·8909	8·7170	0·5800	+8·7374
1636	Bootis	5·6	15 44,21*	2,982	8·7457	8·5736	0·4745	−7·8059
1637	8 Hydræ con.	5·6	18 14,51	3,483	8·7966	8·6347	0·5420	+8·4784
1638	104 Virginis N^1	6·7	18 29,09	3,139	8·7412	8·5803	0·4968	+7·7106
1639	23 Bootis *θ*	4	19 23,71	2,015*	8·9550	8·7978	0·3042	−8·8553
1640	105 Virginis *φ*	5	19 26,88	3,088	8·7381	8·5811	0·4896	+7·1447
1641	106 Virginis N^2	6	19 43,96	3,150	8·7401	8·5843	0·4983	+7·7687
1642	Lupi *σ*	5	21 13,72*	3,979	8·9248	8·7750	0·5997	+8·8071
1643	25 Bootis *ρ*	4	24 30,11	2,592	8·7987	8·6619	0·4137	−8·5120
1644	Centauri *η*	3	24 45,00*	3,764	8·8557	8·7200	0·5756	+8·6762
1645	26 Bootis	6	14 24 48,26	+2,733	−8·7668	−8·6312	+0·4366	−8·3589

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1611	+25° 54′ 4″,67	−17″,241	+9·7875	−9·5749	−1·2366	+9·7075	1839	8	
1612	−26 27 19,28	17,223	9·2068	+9·5830	1·2361	9·7088	1837	9	1199 C
1613	− 9 5 45,61	17,202	9·5416	+9·1325	1·2356	9·7103	1841	11	
1614	+ 3 12 52,00*	17,195	9·6646	−8·6822	1·2354	9·7108		12	42 H
1615	− 9 28 46,33	17,187	9·5353	+9·1499	1·2352	9·7113	1842	14	563 M
1616	+13 45 39,37	17,093	9·7372	−9·3072	1·2328	9·7178	1844	23	
1617	−17 24 9,97*	17,087	9·4116	+9·4065	1·2327	9·7182		22	
1618	+10 54 22,44	17,065	9·7202	−9·2071	1·2321	9·7197	1845	25	
1619	− 5 11 3,13	17,038	9·5843	+8·8854	1·2314	9·7215	1846	28	565 M
1620	+20 4 19,19	18,962*	9·7709	−9·4641	1·2779	9·7239	1847	32	566 M
1621	+19 42 28,51*	16,994	+9·7694	−9·4563	1·2303	9·7244	1848		
1622	−45 16 0,49*	16,971	−8·8633	+9·7793	1·2297	9·7259		33	1201 C
1623	+46 52 20,48	16,908	+9·8382	−9·7894	1·2281	9·7299	1852	41	
1624	−12 34 59,35	16,907	9·4871	+9·2643	1·2281	9·7300	1850	37	567 M
1625	+52 9 15,21	16,897	9·8395	−9·8233	1·2278	9·7306	1854	42	
1626	− 1 28 28,79	16,867	9·6232	+8·3356	1·2270	9·7326	1851	43	
1627	+13 47 40,44	16,855	9·7404	−9·3021	1·2267	9·7333	1853	46	
1628	+17 5 26,53	16,823	9·7597	−9·3921	1·2259	9·7352	1855	51	
1629	− 1 12 22,27	16,751	9·6253	+8·2453	1·2240	9·7396	1858	59	
1630	−26 58 10,87	16,746	9·1399	+9·5786	1·2239	9·7399	1857	58	1208 C
1631	−10 55 56,51	16,700	9·5065	+9·1987	1·2227	9·7427	1860	64	570 M
1632	+ 9 13 29,17*	16,664	9·7135	−9·1248	1·2218	9·7448		69	18 H
1633	−24 1 45,03*	16,659	+9·2304	+9·5295	1·2216	9·7451		68	1211 C
1634	−44 26 42,68*	16,652	−8·9031	+9·7648	1·2215	9·7455		66	1209 C
1635	−44 36 15,95*	16,651	−8·9138	+9·7659	1·2214	9·7456		67	1210 C
1636	+ 6 35 46,31*	16,629	+9·6946	−8·9791	1·2209	9·7468		73	19 H
1637	−28 43 19,95	16,506	9·0334	+9·5974	1·2176	9·7538	1862	82	1213 C
1638	− 5 20 51,57	16,494	9·5786	+8·8848	1·2173	9·7545	1863	84	
1639	+52 38 20,58	16,988*	9·8555	−9·8144	1·2301	9·7570	1867	92	
1640	− 1 27 40,13	16,446	9·6222	+8·3206	1·2160	9·7571	1865	90	
1641	− 6 7 50,56	16,431	+9·5694	+8·9423	1·2157	9·7579	1866	91	
1642	−49 41 44,22*	16,356	−9·2041	+9·7940	1·2137	9·7619			1216 C
1643	+31 7 16,89	16,189	+9·8306	−9·6206	1·2092	9·7705	1869	112	
1644	−41 24 15,77*	16,176	−8·8062	+9·7274	1·2089	9·7712		109	1219 C
1645	+23 0 45,94	−16,173	+9·7993	−9·4990	−1·2088	+9·7713	1870	114	

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					a	*b*	*c*	*d*
			h m s	s				
1646	27 Bootis γ	3·4	14 25 13,74	+2,426	−8·8400	−8·7062	+0·3849	−8·6394
1647	Solitarii α	7	25 17,45*	3,351	8·7562	8·6226	0·5252	+8·2837
1648	Lupi ϱ	5	26 31,22*	3,975	8·9086	8·7799	0·5993	+8·7843
1649	Apodis α & β	4·5	27 12,16*	6,937	9·4207	9·2947	0·8411	+9·4116
1650	28 Bootis σ	5	27 16,17	2,597	8·7919	8·6662	0·4144	−8·4972
1651	Libræ	6·7	27 59,59*	+3,233	8·7352	8·6123	+0·5096	+8·0378
1652	5 Ursæ Min. A	4	27 59,97	−0,269	9·3565	9·2337	−9·4298	−9·3443
1653	Centauri α^1	4	28 11,76*	+4,470	9·0287	8·9066	+0·6503	+8·9669
1654	Centauri α^2	1	28 13,66*	4,470	9·0286	8·9066	0·6503	+8·9667
1655	Circini α	4	28 55,23*	4,742	9·0865	8·9673	0·6760	+9·0410
1656	3 Libræ	7	29 34,03*	3,434	8·7642	8·6475	0·5358	+8·3784
1657	Lupi α	3	30 40,78*	3,933	8·8858	8·7734	0·5947	+8·7474
1658	Bootis	6	32 34,67*	2,858	8·7332	8·6283	0·4561	−8·1250
1659	29 Bootis π	3·4	32 43,61	2,813	8·7391	8·6348	0·4492	−8·2088
1660	30 Bootis ζ	3·4	33 1,47	2,855	8·7329	8·6297	0·4555	−8·1304
1661	Centauri c^1	5	33 17,61*	3,636	8·8022	8·7000	0·5606	+8·5546
1662	31 Bootis $\varkappa$	5	33 18,02	2,938	8·7238	8·6216	0·4681	−7·9130
1663	4 Libræ	7	33 25,07	3,442	8·7585	8·6568	0·5368	+8·3723
1664	32 Bootis	6	33 33,91*	2,886	8·7284	8·6273	0·4602	−8·0602
1665	107 Virginis μ	4·5	34 6,61	3,140	8·7189	8·6199	0·4969	+7·6516
1666	34 Bootis	4·5	35 56,50	2,635	8·7656	8·6738	0·4208	−8·4264
1667	10 Hydræ con.	5·6	36 10,70	3,455	8·7559	8·6649	0·5385	+8·3771
1668	Libræ	7	36 33,26*	3,383	8·7418	8·6523	0·5292	+8·2851
1669	5 Libræ ϱ	6	36 36,12	3,290	8·7280	8·6387	0·5172	+8·1335
1670	35 Bootis o	4·5	37 18,23	2,798	8·7334	8·6468	0·4468	−8·2161
1671	11 Hydræ con.	5·6	37 29,93	3,462	8·7545	8·6687	0·5393	+8·3789
1672	36 Bootis ε	3	37 33,28	2,621	8·7653	8·6796	0·4185	−8·4339
1673	Libræ	7	37 34,59*	3,387	8·7407	8·6552	0·5298	+8·2872
1674	109 Virginis $\varkappa$	4	37 39,21	3,029	8·7123	8·6271	0·4813	−7·3716
1675	12 Hydræ con.	5·6	37 49,36	3,471	8·7556	8·6711	0·5404	+8·3855
1676	13 Hydræ con.	6	38 2,04*	3,481	8·7573	8·6736	0·5417	+8·3980
1677	7 Libræ μ	5·6	40 0,62	3,273	8·7202	8·6440	0·5150	+8·0863
1678	6 Libræ	5	40 19,39	3,511	8·7587	8·6838	0·5451	+8·4194
1679	Lupi o	5	40 34,65*	3,868	8·8422	8·7682	0·5874	+8·6748
1680	8 Libræ α^1	6	14 41 17,78	+3,304	−8·7217	−8·6505	+0·5191	+8·1427

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1646	+39° 3′ 22″,36	−16″,151	+9·8513	−9·7057	−1·2082	+9·7724	1871	117	
1647	−19 41 16,78*	16,148	+9·3201	+9·4337	1·2081	9·7726		116	575 M
1648	−48 40 41,66*	16,084	−9·2068	+9·7801	1·2064	9·7757			1223 C
1649	−78 18 36,54*	16,049	−9·6981	+9·8944	1·2054	9·7774			1218 C
1650	+30 29 16,36	16,045	+9·8312	−9·6087	1·2053	9·7776	1872	124	
1651	−11 34 49,02*	16,007	+9·4829	+9·2050	1·2043	9·7794		127	576 M
1652	+76 27 4,65	16,007	+9·8370	−9·8901	1·2043	9·7795	1873	136	
1653	−60 7 56,12*	15,996	−9·4857	+9·8402	1·2040	9·7800			1226 C
1654	−60 7 31,12*	15,995	−9·4871	+9·8401	1·2040	9·7800			1227 C
1655	−64 13 16,16*	15,958	−9·5515	+9·8555	1·2030	9·7818			1225 C
1656	−24 17 12,62*	15,924	+9·1644	+9·5143	1·2020	9·7834		134	
1657	−46 39 5,94*	15,865	−9·1644	+9·7601	1·2004	9·7861			1231 C
1658	+14 16 14,43*	15,763	+9·7582	−9·2875	1·1976	9·7907		145	
1659	+17 9 6,94	15,755	9·7760	−9·3651	1·1974	9·7911	1875	147	
1660	+14 27 48,67	15,738	9·7597	−9·2925	1·1970	9·7918	1876	152	
1661	−34 25 59,72*	15,724	7·8451	+9·6470	1·1966	9·7925		150	1234 C
1662	+ 8 53 39,00	15,724	9·7202	−9·0838	1·1966	9·7925	1877	155	
1663	−24 16 1,53	15,717	9·1492	+9·5083	1·1964	9·7928	1874	154	
1664	+12 23 53,04	15,709	9·7459	−9·2260	1·1962	9·7931	1879	157	
1665	− 4 54 48,61	15,680	9·5786	+8·8261	1·1953	9·7944	1880	158	579 M
1666	+27 15 18,85	15,579	9·8287	−9·5514	1·1925	9·7987	1883	165	
1667	−24 42 53,86	15,566	9·1173	+9·5115	1·1922	9·7993	1881	163	
1668	−20 26 54,20*	15,545	9·2695	+9·4329	1·1916	9·8002		166	580 M
1669	−14 44 13,19	15,543	9·4133	+9·2951	1·1915	9·8003	1882	167	
1670	+17 41 20,28	15,504	9·7825	−9·3711	1·1904	9·8019	1888	172	
1671	−24 54 16,53	15,493	9·1038	+9·5126	1·1901	9·8024	1885	169	
1672	+27 47 42,59	15,490	9·8325	−9·5568	1·1901	9·8025	1890	175	
1673	−20 36 20,61*	15,489	9·2625	+9·4345	1·1900	9·8025		171	581 M
1674	+ 2 36 55,24	15,485	9·6656	−8·5472	1·1899	9·8027	1889	174	
1675	−25 22 9,88	15,475	9·0792	+9·5196	1·1896	9·8031	1886	173	
1676	−25 55 38,85	15,463	9·0492	+9·5281	1·1893	9·8036	1887	176	
1677	−13 26 5,05	15,353	9·4362	+9·2504	1·1862	9·8081	1891	183	582 M
1678	−27 14 44,78	15,335	+8·9590	+9·5444	1·1857	9·8088	1892	184	1247 C
1679	−42 51 49,79*	15,321	−9·0828	+9·7160	1·1853	9·8094		185	1246 C
1680	−15 17 2,90	−15,280	+9·3945	+9·3031	−1·1841	+9·8110	1893	186	583 M

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					a	*b*	*c*	*d*
			h m s	s				
1681	9 Libræ α^2	3	14 41 29,30	+3,305	−8·7215	−8·6510	+0·5192	+8·1437
1682	Libræ	6	42 4,97	3,335	8·7244	8·6562	0·5231	+8·1922
1683	11 Libræ d	6	42 12,44	3,092	8·7048	8·6371	0·4902	+7·1466
1684	10 Libræ σ	7	42 19,31	3,345	8·7254	8·6581	0·5243	+8·2070
1685	Bootis	6	42 38,81*	2,579	8·7635	8·6974	0·4114	−8·4534
1686	37 Bootis ξ	3·4	43 32,71	2,753	8·7289	8·6654	0·4398	−8·2590
1687	12 Libræ	6	44 28,85	3,458	8·7400	8·6810	0·5388	+8·3483
1688	13 Libræ ξ^1	6	45 9,47	3,243	8·7081	8·6517	0·5109	+7·9963
1689	Lupi β	3·4	47 26,23*	3,883	8·8279	8·7802	0·5892	+8·6571
1690	Libræ	6	47 31,15*	3,404	8·7246	8·6772	0·5320	+8·2715
1691	15 Libræ ξ^2	5	47 32,61	3,237	8·7034	8·6561	0·5101	+7·9728
1692	14 Libræ	7	47 36,29*	3,479	8·7375	8·6904	0·5415	+8·3594
1693	Centauri	3	48 8,41*	3,857	8·8197	8·7747	0·5863	+8·6403
1694	16 Libræ c	5·6	48 18,99	3,125	8·6953	8·6516	0·4949	+7·4988
1695	15 Hydræ con. z	6	48 36,78	3,524	8·7439	8·7007	0·5471	+8·4005
1696	1 Serpentis	6	48 50,32	3,060	8·6936	8·6512	0·4857	−6·6547
1697	17 Libræ	7	49 1,33	3,234	8·7005	8·6588	0·5097	+7·9597
1698	Bootis	6	49 15,92*	2,792	8·7124	8·6717	0·4459	−8·1803
1699	18 Libræ	7	49 42,51	+3,234	8·6993	8·6603	+0·5098	+7·9581
1700	7 Ursæ Min. β	3	51 17,30	−0,286	9·2720	9·2390	−9·4567	−9·2567
1701	19 Libræ δ	4·5	51 53,82	+3,193	8·6923	8·6616	+0·5043	+7·8270
1702	Libræ	7	53 6,11*	3,179	8·6892	8·6631	0·5023	+7·7688
1703	Libræ	7	53 27,48*	3,183	8·6888	8·6640	0·5029	+7·7848
1704	Lupi π	5	53 35,26*	4,031	8·8464	8·8221	0·6054	+8·7061
1705	20 Libræ γ	3·4	54 8,15	3,490	8·7256	8·7033	0·5428	+8·3451
1706	110 Virginis	5	54 18,93	3,024	8·6844	8·6629	0·4805	−7·3678
1707	41 Bootis ω	5·6	54 39,06	2,624	8·7285	8·7082	0·4190	−8·3654
1708	42 Bootis β	3	55 32,22	2,261	8·8043	8·7874	0·3543	−8·6219
1709	Libræ	7	56 20,69*	3,456	8·7151	8·7012	0·5386	+8·2008
1710	43 Bootis ψ	5	57 9,09	2,580	8·7313	8·7205	0·4116	−8·3973
1711	21 Libræ ν^1	6	57 9,13	3,328	8·6950	8·6842	0·5222	+8·1244
1712	22 Libræ ν^2	6·7	57 19,84	3,333	8·6952	8·6850	0·5228	+8·1367
1713	Lupi λ	5	57 26,07*	3,990	8·8258	8·8161	0·6016	+8·6724
1714	44 Bootis i	5	58 9,96	1,955*	8·8540	8·8471	0·2911	−8·7273
1715	45 Bootis c	5	14 59 49,48	+2,617	−8·7184	−8·7177	+0·4178	−8·3529

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			a′	*b′*	*c′*	*d′*			
1681	−15° 19′ 43″,73	−15″,270	+9·3945	+9·3041	−1·1838	+9·8114	1894	187	584 M
1682	−17 4 33,52*	15,236	9·3502	+9·3487	1·1829	9·8127	1895	188	
1683	− 1 35 5,61	15,229	9·6191	+8·3226	1·1827	9·8130	1897	191	
1684	−17 38 51,08	15,222	9·3365	+9·3622	1·1825	9·8133	1896	190	
1685	+29 19 27,05*	15,204	9·8432	−9·5700	1·1820	9·8140		193	32 H
1686	+19 48 38,34	15,152	9·7993	−9·4086	1·1805	9·8160	1898	197	
1687	−23 56 27,15	15,099	9·1139	+9·4853	1·1789	9·8180	1899	199	
1688	−11 11 50,87	15,060	+9·4742	+9·1641	1·1778	9·8195	1901	206	585 M
1689	−42 26 27,55*	14,927	−9·1139	+9·7012	1·1740	9·8243		211	1254 C
1690	−20 37 41,20*	14,923	+9·2330	+9·4188	1·1738	9·8245		212	
1691	−10 43 2,01	14,921	9·4800	+9·1413	1·1738	9·8245	1903	214	586 M
1692	−24 45 0,58*	14,918	+9·0569	+9·4936	1·1737	9·8247		213	
1693	−41 24 55,31*	14,886	−9·0719	+9·6914	1·1728	9·8258		216	1255 C
1694	− 3 38 49,08	14,876	+9·5911	+8·6740	1·1725	9·8262	1905	220	
1695	−26 58 5,22	14,859	8·9191	+9·5266	1·1720	9·8268	1904	222	1256 C
1696	+ 0 31 26,06	14,845	9·6435	−7·8307	1·1716	9·8273	1908	224	
1697	−10 27 56,24	14,835	9·4843	+9·1285	1·1713	9·8277	1907	225	587 M
1698	+17 4 40,93*	14,820	9·7875	−9·3368	1·1709	9·8282		226	
1699	−10 27 17,96	14,794	9·4843	+9·1269	1·1701	9·8291	1909	228	588 M
1700	+74 50 55,87	14,701	9·8859	−9·8500	1·1673	9·8323	1917	240	
1701	− 7 50 16,94	14,664	9·5276	+8·9990	1·1663	9·8336	1911	238	589 M
1702	− 6 53 50,93*	14,592	9·5428	+8·9417	1·1641	9·8360		241	
1703	− 7 9 50,59*	14,571	+9·5378	+8·9574	1·1635	9·8367		245	
1704	−46 22 38,74*	14,563	−9·2967	+9·7210	1·1633	9·8370		242	1258 C
1705	−24 36 22,78	14,530	+9·0334	+9·4798	1·1623	9·8381	1913	251	590 M
1706	+ 2 45 52,59	14,519	9·6693	−8·5434	1·1619	9·8384	1915	253	
1707	+25 41 7,77	14,499	9·8388	−9·4963	1·1613	9·8391	1916	255	
1708	+41 3 55,00	14,446	9·8932	−9·6753	1·1597	9·8409	1918	259	
1709	−22 39 17,70*	14,396	9·1239	+9·4420	1·1583	9·8424		262	
1710	+27 36 56,14	14,347	9·8506	−9·5209	1·1568	9·8440	1922	270	
1711	−15 35 27,14	14,347	9·3617	+9·2842	1·1568	9·8440	1919	267	591 M
1712	−15 49 6,75	14,336	+9·3579	+9·2900	1·1564	9·8444	1920	269	592 M
1713	−44 37 0,76*	14,330	−9·2601	+9·7009	1·1562	9·8446		266	1263 C
1714	+48 19 9,24	14,285	+9·9101	−9·7262	1·1549	9·8460	1923	275	
1715	+25 32 8,74	−14,183	+9·8432	−9·4844	−1·1518	+9·8492	1924	284	

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					a	*b*	*c*	*d*
			h m s	s				
1716	Solitarii	6	14 59 57,27*	+3,475	−8·7105	−8·7103	+0·5410	+8·3082
1717	Lupi ζ	4	15 0 8,34*	4,254	8·8785	8·8790	0·6288	+8·7717
1718	Lupi κ	5	0 9,82*	4,121	8·8483	8·8489	0·6150	+8·7199
1719	46 Bootis *b*	6	1 3,19	2,585	8·7213	8·7253	0·4125	−8·3778
1720	Bootis	6	1 11,00*	2,610	8·7166	8·7211	0·4166	−8·3548
1721	24 Libræ ι^1	5·6	2 32,94	3,400	8·6932	8·7029	0·5314	+8·2090
1722	Triang. Aus. γ	3	3 11,04*	5,444	9·0945	9·1065	0·7359	+9·0618
1723	25 Libræ ι^2	6·7	3 39,01	3,399	8·6907	8·7045	0·5313	+8·2033
1724	Circini β	5	4 17,96*	4,618	8·9428	8·9591	0·6644	+8·8720
1725	26 Libræ τ	7	4 58,93	3,365	8·6834	8·7023	0·5270	+8·1525
1726	Scorpii	6·7	6 32,69*	3,456	8·6927	8·7176	0·5385	+8·2619
1727	3 Serpentis	6	6 44,72	2,973	8·6623	8·6879	0·4732	−7·6199
1728	Lupi μ	5	6 45,82*	4,119	8·8284	8·8540	0·6148	+8·6942
1729	4 Serpentis	6	7 9,19	3,051	8·6595	8·6866	0·4844	−6·9045
1730	48 Bootis χ	5	7 22,48	2,510	8·7206	8·7485	0·3996	−8·4169
1731	2 Lupi *f*	4·5	7 30,49	3,620	8·7191	8·7475	0·5587	+8·4116
1732	27 Libræ β	2·3	7 51,99	3,218	8·6630	8·6929	0·5076	+7·8452
1733	49 Bootis δ	3·4	8 38,57	2,408	8·7376	8·7704	0·3817	−8·4846
1734	Lupi δ	5	10 14,85*	3,896	8·7690	8·8079	0·5906	+8·5773
1735	Lupi ν	5	10 20,58*	4,137	8·8216	8·8608	0·6167	+8·6878
1736	5 Serpentis	5·6	10 37,60	3,026	8·6527	8·6930	0·4809	−7·2772
1737	Bootis	6	10 47,19*	2,685	8·6824	8·7233	0·4289	−8·2406
1738	Lupi φ^1	5	11 2,79*	3,777	8·7415	8·7834	0·5772	+8·5069
1739	Lupi ε	4·5	11 10,47*	4,096	8·7947	8·8371	0·6049	+8·6370
1740	28 Libræ υ	6	11 16,23	3,381	8·6716	8·7144	0·5290	+8·1505
1741	29 Libræ o^1	7	11 32,04	3,332	8·6653	8·7091	0·5227	+8·0762
1742	Lupi φ^2	5	12 19,57*	3,797	8·7421	8·7889	0·5794	+8·5138
1743	6 Serpentis	6	12 21,83	3,045	8·6488	8·6957	0·4835	−7·0177
1744	30 Libræ o^2	6	13 33,66	3,327	8·6602	8·7117	0·5220	+8·0593
1745	7 Serpentis	6	14 20,07	2,833	8·6561	8·7105	0·4523	−8·0141
1746	Libræ	6	14 33,14*	3,277	8·6532	8·7085	0·5154	+7·9623
1747	31 Libræ ε	5·6	14 59,52	3,240	8·6493	8·7063	0·5105	+7·8760
1748	9 Serpentis	5·6	17 54,12	2,776	8·6539	8·7220	0·4434	−8·0931
1749	51 Bootis μ	4	18 3,66	2,275	8·7397	8·8084	0·3569	−8·5288
1750	32 Libræ ξ^1	6	15 18 41,15	+3,362	−8·6523	−8·7235	+0·5266	+8·0957

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of				Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
			a'	*b'*	*c'*	*d'*			
1716	−23° 19′ 42″,59*	−14″,175	+9·0755	+9·4473	−1·1515	+9·8494		282	
1717	−51 26 40,14*	14,164	−9·4502	+9·7424	1·1512	9·8497			1265 C
1718	−48 5 1,14*	14,162	−9·3747	+9·7208	1·1511	9·8498			1266 C
1719	+26 57 29,35	14,107	+9·8506	−9·5039	1·1494	9·8515	1926	290	
1720	+25 45 49,39*	14,099	+9·8451	−9·4854	1·1492	9·8517		291	
1721	−19 8 29,96	14,014	+9·2455	+9·3603	1·1466	9·8543	1927	3	593 M
1722	−68 2 26,06*	13,974	−9·7016	+9·8107	1·1453	9·8554			1267 C
1723	−18 59 59,67	13,945	+9·2455	+9·3551	1·1444	9·8563	1928	6	594 M
1724	−58 9 24,58*	13,904	−9·5832	+9·7703	1·1431	9·8575			1271 C
1725	−17 7 34,36	13,861	+9·3054	+9·3089	1·1418	9·8587	1930	16	
1726	−21 45 49,03*	13,762	+9·1239	+9·4058	1·1387	9·8615		19	595 M
1727	+ 5 34 38,48	13,749	+9·7016	−8·8239	1·1383	9·8619	1932	20	
1728	−47 14 20,68*	13,748	−9·3784	+9·7021	1·1382	9·8619			1274 C
1729	+ 1 0 25,81	13,723	+9·6503	−8·0805	1·1375	9·8626	1933	21	
1730	+29 48 8,09	13,709	9·8692	−9·5314	1·1370	9·8630	1935	25	
1731	−29 31 1,31	13,700	8·2553	+9·5273	1·1367	9·8633	1931	22	1277 C
1732	− 8 44 55,68	13,678	9·5024	+9·0162	1·1360	9·8639	1934	26	596 M
1733	+33 57 16,55	13,628	+9·8865	−9·5795	1·1344	9·8653	1936	29	
1734	−40 1 23,65*	13,525	−9·1553	+9·6374	1·1311	9·8681		31	1283 C
1735	−47 18 2,24*	13,518	−9·3962	+9·6952	1·1309	9·8682			1281 C
1736	+ 2 24 52,00	13,500	+9·6675	−8·4529	1·1303	9·8687	1937	33	
1737	+21 11 58,98*	13,490	+9·8274	−9·3863	1·1300	9·8690		36	44 H
1738	−35 38 13,05*	13,473	−8·8921	+9·5929	1·1295	9·8694		34	1286 C
1739	−44 4 6,42*	13,465	−9·3075	+9·6695	1·1292	9·8697		35	1285 C
1740	−17 31 59,46	13,458	+9·2810	+9·3060	1·1290	9·8698	1938	37	598 M
1741	−14 55 35,98	13,441	+9·3579	+9·2374	1·1284	9·8703	1939	41	599 M
1742	−36 14 28,08*	13,390	−8·9542	+9·5965	1·1268	9·8716		42	1286 C
1743	+ 1 20 23,89	13,387	+9·6542	−8·1937	1·1267	9·8717	1940	44	
1744	−14 30 59,66	13,309	9·3674	+9·2213	1·1242	9·8737	1941	50	
1745	+13 10 59,17	13,259	9·7738	−9·1786	1·1225	9·8750	1943	55	
1746	−11 45 21,37*	13,244	9·4346	+9·1292	1·1220	9·8754		54	600 M
1747	− 9 42 13,54	13,216	9·4786	+9·0459	1·1211	9·8761	1944	57	601 M
1748	+16 1 58,08	13,023	9·7973	−9·2540	1·1147	9·8809	1948	69	
1749	+37 58 44,51	13,013	9·9085	−9·6015	1·1144	9·8811	1950	73	
1750	−16 6 54,93	−12,971	+9·3118	+9·2544	−1·1130	+9·8822	1949	75	602 M

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					a	*b*	*c*	*d*
			h m s	s				
1751	10 Serpentis	5·6	15 20 3,11	+3,024	−8·6323	−8·7086	+0·4806	−7·2614
1752	Libræ	7	20 34,60*	3,375	8·6493	8·7278	0·5283	+8·1073
1753	3 Cor. Bo[illegible] β	4	20 49,26	+2,483	8·6913	8·7706	+0·3949	−8·3862
1754	13 Ursæ Min. γ^2	3·4	21 3,12*	−0,179	9·1500	9·2302	−9·2524	−9·1293
1755	34 Libræ ζ^3	6	21 5,34	+3,363	8·6467	8·7271	+0·5267	+8·0875
1756	12 Draconis ι	3	21 9,16*	1,319	8·9247	9·0053	0·1201	−8·8603
1757	Triang. Aus. ε	5	21 16,74*	5,349	9·0153	9·0964	0·7283	+8·9751
1758	Libræ	6·7	22 51,50*	3,426	8·6500	8·7372	0·5348	+8·1645
1759	35 Libræ ζ^4	6	23 19,23	3,370	8·6421	8·7311	0·5277	+8·0895
1760	Lupi γ	4	23 50,76*	3,957	8·7427	8·8337	0·5974	+8·5560
1761	11 Serpentis	6	24 12,41	3,079	8·6223	8·7148	0·4884	+6·6449
1762	36 Libræ	6	24 19,72	3,608	8·6739	8·7669	0·5573	+8·3379
1763	37 Libræ f^1	4	24 53,54	3,242	8·6267	8·7217	0·5108	+7·8431
1764	38 Libræ γ	4·5	26 1,91	3,333	8·6315	8·7310	0·5228	+8·0216
1765	4 Cor. Bor. θ	4·5	26 4,08	2,416	8·6892	8·7888	0·3831	−8·4126
1766	Lupi ι	5	26 37,99*	4,012	8·7455	8·8473	0·6033	+8·5710
1767	13 Serpentis δ	3	26 40,88	2,862	8·6247	8·7267	0·4567	−7·9097
1768	39 Libræ	5	26 43,23	3,615	8·6687	8·7709	0·5581	+8·3340
1769	Scorpii	7	27 17,37*	3,574	8·6602	8·7647	0·5531	+8·2975
1770	5 Cor. Bor. α	2	27 29,10	2,526	8·6658	8·7709	0·4024	−8·3271
1771	15 Serpentis	6	27 50,25	2,721	8·6360	8·7426	0·4348	−8·1313
1772	14 Serpentis A^1	6	27 50,60	3,068	8·6136	8·7202	0·4868	−4·8307
1773	Libræ	7	27 56,66*	3,619	8·6660	8·7730	0·5586	+8·3324
1774	40 Libræ	4·5	28 13,89	3,657	8·6718	8·7799	0·5631	+8·3602
1775	16 Serpentis	6	28 19,43*	2,871	8·6199	8·7284	0·4580	−7·8840
1776	18 Serpentis τ^2	6	28 39,50	2,752	8·6303	8·7401	0·4396	−8·0885
1777	6 Cor. Bor. μ	5	29 0,46	2,195	8·7239	8·8350	0·3414	−8·5281
1778	41 Libræ φ	6	29 8,06	3,427	8·6341	8·7458	0·5349	+8·1409
1779	Lupi g	5	29 32,58*	4,093	8·7532	8·8664	0·6121	+8·5956
1780	42 Libræ χ	5·6	30 14,58	3,524	8·6446	8·7605	0·5470	+8·2410
1781	43 Libræ κ	5	32 9,87	3,438	8·6276	8·7511	0·5363	+8·1429
1782	7 Cor. Bor. ζ	5	32 58,26*	2,256	8·6997	8·8264	0·3533	−8·4811
1783	19 Serpentis τ^3	6	33 9,97	2,749	8·6189	8·7464	0·4392	−8·0742
1784	20 Serpentis χ	5·6	33 47,32	2,812	8·6108	8·7408	0·4491	−7·9758
1785	21 Serpentis ι	5	15 33 57,79	+2,672	−8·6260	−8·7567	+0·4269	−8·1647

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1751	+ 2° 26′ 24″,00	−12″,880	+9·6693	−8·4371	−1·1099	+9·8843	1952	82	
1752	−16 40 54,07*	12,844	9·2923	+9·2647	1·1087	9·8852			1060 Z
1753	+29 41 50,24	12,828	9·8797	−9·5012	1·1082	9·8856	1955	86	
1754	+72 26 22,22	12,813	9·9365	−9·7850	1·1076	9·8859	1962	95	
1755	−16 1 8,05	12,810	9·3118	+9·2464	1·1076	9·8860	1953	84	604 M
1756	+59 33 49,73	12,806	+9·9460	−9·7411	1·1074	9·8861	1957	92	
1757	−65 44 5,98*	12,797	−9·7193	+9·7650	1·1071	9·8863			1292 C
1758	−19 5 3,18*	12,691	+9·1959	+9·3160	1·1035	9·8887		96	606 M
1759	−16 16 6,16	12,659	+9·3010	+9·2478	1·1024	9·8895	1956	[illegible]	607 M
1760	−40 35 9,75*	12,624	−9·2430	+9·6125	1·1012	9·8903		98	1293 C
1761	− 0 36 12,59	12,599	+9·6294	+7·8210	1·1003	9·8908	1959	104	
1762	−27 27 57,30	12,591	8·4150	+9·4620	1·1001	9·8910	1958	102	608 M
1763	− 9 28 30,52	12,552	9·4771	+9·0133	1·0987	9·8919	1960	106	
1764	−14 12 50,33	12,475	9·3598	+9·1842	1·0960	9·8935	1964	111	609 M
1765	+31 56 17,58*	12,472	+9·8932	−9·5174	1·0959	9·8936	1968	115	
1766	−42 0 2,39*	12,433	−9·3054	+9·6182	1·0946	9·8945		113	1297 C
1767	+11 6 50,90	12,430	+9·7612	−9·0775	1·0945	9·8946	1969	117	
1768	−27 33 51,01	12,427	8·3424	+9·4578	1·0944	9·8946	1966	116	610 M
1769	−25 42 33,92*	12,388	8·6990	+9·4284	1·0930	9·8955		118	611 M
1770	+27 17 35,27	12,375	9·8733	−9·4520	1·0925	9·8958	1973	121	
1771	+18 13 41,39	12,351	9·8182	−9·2850	1·0917	9·8963	1974	124	
1772	+ 0 0 33,86	12,350	9·6375	−6·0068	1·0917	9·8963	1971	122	
1773	−27 38 18,19*	12,343	+8·2788	+9·4559	1·0914	9·8964		120	
1774	−29 12 37,07	12,324	−7·7782	+9·4772	1·0907	9·8969	1970	123	
1775	+10 35 7,98*	12,317	+9·7574	−9·0527	1·0905	9·8970		126	
1776	+16 41 16,72*	12,294	9·8082	−9·2459	1·0897	9·8975	1977	131	
1777	+39 34 49,52	12,270	9·9238	−9·5911	1·0888	9·8980	1979	135	
1778	−18 44 4,06	12,261	+9·1959	+9·2933	1·0885	9·8982	1975	133	613 M
1779	−44 5 12,13*	12,233	−9·3784	+9·6280	1·0875	9·8988		134	1300 C
1780	−23 15 24,24	12,184	+8·9294	+9·3803	1·0858	9·8998	1978	138	615 M
1781	−19 7 8,76	12,050	9·1703	+9·2943	1·0810	9·9026	1981	145	616 M
1782	+37 11 35,97*	11,994	9·9191	−9·5584	1·0790	9·9037		152	
1783	+16 34 47,49	11,980	9·8096	−9·2319	1·0785	9·9040	1983	151	
1784	+13 23 57,83	11,937	9·7839	−9·1399	1·0769	9·9049	1984	154	
1785	+20 13 25,85	−11,924	+9·8357	−9·3132	−1·0764	+9·9051	1986	155	

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					a	*b*	*c*	*d*
			h m s	s				
1786	22 Serpentis	6	15 34 15,49	+2,698	−8·6220	−8·7538	+0·4310	−8·1349
1787	44 Libræ η	4·5	34 31,11	3,359	8·6123	8·7451	0·5262	+8·0287
1788	Libræ	7	35 ——*	3,346	8·6100	8·7444	0·5246	+8·0082
1789	23 Serpentis ψ	6	35 29,20	3,010	8·5951	8·7318	0·4786	−7·3236
1790	8 Cor. Bor. γ	6	35 35,44	2,522	8·6437	8·7808	0·4017	−8·2984
1791	24 Serpentis α	2·3	35 53,90	+2,936	8·5966	8·7349	+0·4677	−7·6805
1792	15 Ursæ Min. θ	5	36 39,23*	−1,990	9·2704	9·4117	−0·2988	−9·2607
1793	26 Serpentis	6	36 57,85	+2,720	8·6119	8·7545	+0·4345	−8·0973
1794	25 Serpentis A^2	6	37 18,31	3,092	8·5898	8·7338	0·4902	+6·9336
1795	27 Serpentis λ	4·5	38 11,78	2,917	8·5915	8·7390	0·4650	−7·7291
1796	28 Serpentis β	3·4	38 20,36	2,757	8·6040	8·7521	0·4404	−8·0434
1797	5 Lupi χ	4·5	40 10,65*	3,782	8·6589	8·8144	0·5777	+8·3962
1798	Triang. Aus. β	3	40 15,80*	5,208	8·9231	9·0790	0·7167	+8·8726
1799	32 Serpentis μ	3·4	40 45,36	3,124	8·5810	8·7388	0·4947	+7·2854
1800	1 Scorpii b	5	40 45,92	3,585	8·6240	8·7818	0·5545	+8·2536
1801	35 Serpentis $\varkappa$	4	41 5,03	2,697	8·6030	8·7622	0·4309	−8·1084
1802	34 Serpentis ω	6	41 42,87	3,016	8·5783	8·7400	0·4794	−7·2550
1803	37 Serpentis ε	3	42 20,71	2,972	8·5777	8·7420	0·4730	−7·5177
1804	36 Serpentis b	6	42 24,40	3,118	8·5763	8·7409	0·4938	+7·2278
1805	10 Cor. Bor. δ	4·5	42 27,51	2,516	8·6243	8·7891	0·4007	−8·2753
1806	2 Scorpii A^1	5	43 24,81	3,579	8·6152	8·7838	0·5538	+8·2380
1807	45 Libræ λ	5	43 28,40	3,463	8·5990	8·7679	0·5394	+8·1257
1808	Scorpii f^1	6	43 45,65	3,561	8·6115	8·7815	0·5516	+8·2211
1809	38 Serpentis ρ	5	43 47,26	2,632	8·6034	8·7735	0·4203	−8·1674
1810	Scorpii f^2	6	43 49,74*	3,549	8·6094	8·7797	0·5501	+8·2095
1811	46 Libræ θ	4·5	44 9,81	3,390	8·5887	8·7603	0·5303	+8·0348
1812	3 Scorpii A^2	6	44 28,00	3,579	8·6119	8·7849	0·5537	+8·2335
1813	11 Cor. Bor. $\varkappa$	5	44 49,28	2,256	8·6622	8·8366	0·3533	−8·4334
1814	47 Libræ	7	45 11,32	3,448	8·5921	8·7680	0·5376	+8·1019
1815	4 Scorpii	6·7	45 14,51	3,604	8·6134	8·7895	0·5568	+8·2514
1816	5 Scorpii ρ	4	46 24,30	3,679	8·6216	8·8025	0·5657	+8·3032
1817	Serpentis	6	47 5,38*	2,643	8·5920	8·7757	0·4221	−8·1426
1818	6 Scorpii π	3·4	48 35,03	3,606	8·6032	8·7932	0·5570	+8·2391
1819	41 Serpentis γ	3	48 36,31	2,741	8·5759	8·7659	0·4380	−8·0221
1820	48 Libræ ψ	5	15 48 40,73	+3,343	−8·5707	−8·7610	+0·5242	+7·9477

No.	Decliation Jan. 1, 1830.	Ann. Prec.	Logarithms of				Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
			a'	*b'*	*c'*	*d'*			
1786	+19° 0′ 44″,34	−11″,904	+9·8274	−9·2866	−1·0757	+9·9055	1988	158	
1787	−15 7 23,15	11,885	9·3201	+9·1895	1·0750	9·9059	1985	157	618 M
1788	−1 29 16,99*	11,858	9·3385	+9·1703	1·0740	9·9064	1987		
1789	+ 3 4 3,94	11,817	9·6776	−8·4990	1·0725	9·9072	1989	160	
1790	+6 50 27,04	11,810	9·8762	−9·4250	1·0722	9·9074	1991	162	
1791	+ 6 58 1,03	11,788	9·7235	−8·8533	1·0714	9·9078	1990	163	619 M
1792	−77 54 41,66	11,734	9·9465	−9·7578	1·0695	9·9089	2008	172	
1793	−17 48 21,37	11,712	9·8202	−9·2521	1·0686	9·9093	1993	164	
1794	− 1 15 52,89	11,688	9·6191	+8·1096	1·0677	9·9097	1992	166	
1795	+ 7 53 29,99	11,625	9·7340	−8·9011	1·0654	9·9110	1995	169	
1796	+15 57 42,09	11,615	+9·8069	−9·2024	1·0650	9·9111	1996	170	
1797	−33 6 3,70	11,483	−8·9243	+9·4954	1·0601	9·9136	1998	174	1312 C
1798	−62 53 28,12*	11,477	−9·7259	+9·7073	1·0598	9·9137			1311 C
1799	− 2 54 7,27	11,442	+9·5922	+8·4609	1·0585	9·9144	2001	178	
1800	−25 13 36,91	11,441	8·6335	+9·3861	1·0585	9·9144	2000	177	620 M
1801	+18 40 24,02	11,418	9·8287	−9·2610	1·0576	9·9148	2002	182	
1802	+ 2 43 20,04	11,373	9·6749	−8·4306	1·0559	9·9156	2003	184	
1803	+ 4 59 45,99	11,327	9·7024	−8·6921	1·0541	9·9164	2005	187	
1804	− 2 34 6,54	11,323	9·5988	+8·4034	1·0540	9·9165	2004	186	
1805	+26 35 43,37	11,319	9·8791	−9·4028	1·0538	9·9166	2010	188	
1806	−24 48 40,41	11,250	8·6721	+9·3721	1·0512	9·9178	2006	189	621 M
1807	−19 39 1,23	11,246	9·1173	+9·2757	1·0510	9·9179	2007	190	622 M
1808	−24 1 6,71*	11,225	8·7709	+9·3579	1·0502	9·9183	2009	191	1316 C
1809	+21 29 44,38	11,223	9·8500	−9·3121	1·0501	9·9183	2013	194	
1810	−23 27 48,45*	11,220	8·8325	+9·3481	1·0500	9·9184		192	1317 C
1811	−16 13 20,07	11,196	9·2672	+9·1933	1·0491	9·9188	2011	193	623 M
1812	−24 43 52,49*	11,174	9·6435	+9·3678	1·0482	9·9192	2012	195	624 M
1813	+36 11 24,97	11,148	9·9248	−9·5164	1·0472	9·9196	2018	200	
1814	−18 52 21,64	11,121	9·1523	+9·2540	1·0462	9·9201	2015	197	625 M
1815	−25 45 23,21*	11,117	+8·4624	+9·3821	1·0460	9·9202	2014	196	1318 C
1816	−28 42 33,19	11,033	−8·3010	+9·4223	1·0427	9·9216	2017	207	626 M
1817	+20 48 53,05*	10,983	+9·8470	−9·2894	1·0407	9·9225		212	
1818	−25 36 59,57	10,873	8·4472	+9·3702	1·0364	9·9243	2020	216	627 M
1819	+16 13 23,24	12,182*	9·8142	−9·1805	1·0857	9·9243	2023	219	
1820	−13 46 51,71	−10,866	+9·3464	+9·1111	−1·0361	+9·9244	2022	218	628 M

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					a	*b*	*c*	*d*
			h m s	s				
1821	Lupi η	5	15 48 52,96*	+3,943	−8·6603	−8.8515	+0·598	+8·4487
1822	Serpentis	6	49 23,98*	2,769	8·5708	8·7641	0·442	−7·9811
1823	7 Scorpii δ	3	50 17,80	+3,527	8·5865	8·7835	+0·547	+8·1624
1824	16 Ursæ Min. ζ	4	50 18,00*	−2,384	9·2467	9·4437	−0·3774	−9·2376
1825	13 Cor. Bor. ε	4·5	50 33,11	+2,484	8·6041	8·8022	+0·3951	−8·2667
1826	49 Libræ	5·6	50 47,58	3,342*	8·5690	8·7681	0·5241	+8·0100
1827	50 Libræ	6	51 37,44	3,226	8·5534	8·7561	0·5086	−7·6928
1828	3 Herculis	6	52 24,90	2,971	8·5485	8·7544	0·4728	−7·4809
1829	Scorpii	6	53 5,04*	3,607	8·5889	8·7977	0·5572	+8·2210
1830	5 Herculis r	6	53 35,80	2,692	8·5658	8·7767	0·4300	−8·0625
1831	Normæ δ	5	54 30,63*	4,197	8·6887	8·9035	0·6229	+8·5359
1832	44 Serpentis π	4·5	54 58,04	2,577	8·5759	8·7927	0·4110	−8·1728
1833	51 Libræ ξ	4·5	55 1,64	3,288	8·5467	8·7638	0·5169	+7·8232
1834	43 Serpentis	6	55 21,00	2,959	8·5398	8·7582	0·4711	−7·4184
1835	Lupi θ	4	55 26,92*	3,909	8·6314	8·8502	0·5921	+8·4040
1836	8 Scorpii β	2	55 33,99	3,469	8·5623	8·7817	0·5402	+8·0322
1837	9 Scorpii ω^1	4·5	56 52,76	3,490	8·5605	8·7855	0·5429	+8·0987
1838	10 Scorpii ω^2	4·5	57 26,68	3,496	8·5593	8·7867	0·5435	+8·1016
1839	6 Herculis v	5	57 29,48	1,856	8·6933	8·9209	0·2686	−8·5540
1840	Scorpii m	6	57 46,44*	3,626	8·5759	8·8048	0·5594	+8·2156
1841	11 Scorpii	6	58 10,53	3,319	8·5389	8·7695	0·5210	+7·8666
1842	13 Draconis θ	3·4	58 43,61*	1,147	8·8155	9·0485	0·0594	−8·7486
1843	45 Serpentis g^1	6	59 30,58	2,857	8·5316	8·7680	0·4559	−7·7863
1844	46 Serpentis g^2	6	15 59 59,49	2,853	8·5303	8·7688	0·4553	−7·7927
1845	Triang. Aus. δ	5	16 0 3,86*	5,363	8·8692	9·1080	0·7294	+8·8200
1846	47 Serpentis	6	0 16,29	2,885	8·5274	8·7671	0·4601	−7·7213
1847	7 Herculis $\varkappa^1$	5·6	0 23,82	2,703	8·5422	8·7825	0·4318	−8·0205
1848	Scorpii	6	0 29,65*	3,709	8·5793	8·8200	0·5695	+8·2643
1849	12 Scorpii c^1	6	1 46,36	3,685	8·5709	8·8173	0·5664	+8·2421
1850	13 Scorpii c^2	5	1 51,45	3,673	8·5687	8·8154	0·5650	+8·2328
1851	14 Scorpii ν	4	2 7,80	3,469	8·5402	8·7881	0·5402	+8·0531
1852	15 Scorpii χ	5	2 42,84	3,265	8·5200	8·7705	0·5139	+7·7428
1853	16 Scorpii	6	2 54,70	3,234	8·5175	8·7689	0·5097	+7·6664
1854	Scorpii	6	3 41,66*	3,515	8·5402	8·7951	0·5460	+8·0937
1855	48 Serpentis	6	16 3 46,72	+2,708	−8·5299	−8·7852	+0·4327	−7·9986

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1821	−37° 54′ 2″,73*	−10″,851	−9·2405	+9·5219	−1·0355	+9·9247		217	1325 C
1822	+14 54 26,36*	10,813	+9·8035	−9·1424	1·0340	9·9253		222	
1823	−22 7 42,36	10,747	8·9243	+9·3053	1·0313	9·9264	2024	225	629 M
1824	+78 18 46,11	10,747	9·9614	−9·7202	1·0313	9·9264	2041	238	
1825	+27 22 33,30	10,728	9·8882	−9·3912	1·0305	9·9267	2029	229	
1826	−16 1 32,41	10,710	9·2648	+9·1689	1·0298	9·9270	2026	228	
1827	− 7 55 20,10	10,649	9·4955	+8·8647	1·0273	9·9280	2030	231	
1828	+ 4 54 35,48	10,590	9·7033	−8·6553	1·0249	9·9289	2031	234	
1829	−25 22 58,45*	10,540	8·4314	+9·3530	1·0229	9·9297		237	630 M
1830	+18 17 39,04	10,502	+9·8319	−9·2161	1·0213	9·9303	2032	241	
1831	−44 42 6,39*	10,434	−9·4669	+9·5637	1·0185	9·9314		242	
1832	+23 16 59,06	10,400	+9·8675	−9·3120	1·0170	9·9319	2038	250	
1833	−10 53 45,36	10,395	9·4216	+8·9914	1·0168	9.9320	2033	245	631 M
1834	+ 5 27 44,12	10,371	+9·7101	−8·6925	1·0158	9·9323	2035	253	
1835	−36 19 50,13*	10,364	−9·1959	+9·4862	1·0155	9·9324		248	1335 C
1836	−19 19 53,52	10,355	+9·1038	+9·2331	1·0152	9·9326	2034	251	632 M
1837	−20 11 59,61	10,257	9·0414	+9·2472	1·0110	9·9341	2039	259	634 M
1838	−20 23 59,11	10,214	9·0294	+9·2495	1·0092	9·9347	2040	263	635 M
1839	+46 30 45,39	10,211	9·9652	−9·5678	1·0091	9·9348	2044	270	
1840	−25 51 46,75*	10,189	8·1761	+9·3459	1·0081	9·9351		265	1337 C
1841	−12 16 48,56	10,159	9·3820	+9·0327	1·0069	9·9355	2042	268	
1842	+59 1 18,23	10,118	9·9836	−9·6363	1·0051	9·9361	2053	277	
1843	+10 21 17,05	10,058	9·7649	−8·9552	1·0025	9·9370	2045	276	
1844	+10 32 31,77	10,022	+9·7672	−8·9614	1·0010	9·9375	2046	279	
1845	−63 14 16,30*	10,016	−9·7619	+9·6496	1·0007	9·9376			1338 C
1846	+ 8 59 32,19	10,001	+9·7513	−8·8920	1·0000	9·9378	2047	282	
1847	+17 30 22,61	9,991	+9·8293	−9·1760	0·9996	9·9380	2049	284	
1848	−28 57 28,94*	9,984	−8·6021	+9·3823	0·9993	9·9381		280	1345 C
1849	−27 57 57,11	9,887	−8·3979	+9·3642	0·9951	9·9395	2051	287	636 M
1850	−27 28 35,85	9,880	−8·2041	+9·3569	0·9948	9·9395	2052	2	637 M
1851	−19 0 40,06	9,860	+9·1004	+9·2048	0·9939	9·9398	2055	4	639 M
1852	− 9 36 57,12	9,815	9·4502	+8·9128	0·9919	9·9405	2056	6	
1853	− 8 5 58,75	9,800	9·4871	+8·8382	0·9912	9·9407	2057	8	
1854	−20 57 29,44*	9,740	8·9638	+9·2401	0·9886	9·9415		10	
1855	+17 6 47,70	− 9,734	+9·8274	−9·1551	−0·9883	+9·9416	2060	12	

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
1856	10 Herculis	T	6	16 4 23,47	+2,549	−8·5472	−8·8052	+0·4063	−8·1555
1857	17 Scorpii	χ	6	4 27,19	3,304	8·5166	8·7749	0·5190	+7·8124
1858	9 Herculis	h	6	4 50,97	2,956	8·5085	8·7686	0·4707	−7·4872
1859	1 Ophiuchi	δ	3	5 26,33	3,135	8·5052	8·7679	0·4962	+7·2585
1860	18 Scorpii	n	5	6 22,97	3,231	8·5054	8·7724	0·5094	+7·6441
1861	Scorpii		7	7 3,97*	3,489	8·5250	8·7950	0·5427	+8·0521
1862	Normæ	γ^2	5	7 9,16*	4,458	8·6880	8·9585	0·6491	+8·5705
1863	Apodis	γ	5	7 41,74*	8,860	9·1967	9·4697	0·9474	+9·1879
1864	Scorpii	d	5·6	7 46,21*	3,700	8·5511	8·8244	0·5682	+8·2253
1865	Ophiuchi		6	8 ——*	3,141	8·4964	8·7707	0·4970	+7·2852
1866	Scorpii	p	6	8 48,30*	3,764	8·5573	8·8353	0·5756	+8·2625
1867	17 Herculis		6	9 1,83*	2,553	8·5296	8·8087	0·4070	−8·1312
1868	Scorpii		7	9 10,75*	3,494	8.5177	8·7975	0·5433	+8·0475
1869	2 Ophiuchi	ε	3	9 19,85	3,156	8·4919	8·7724	0·4992	+7·3638
1870	18 Cor. Bor.	υ	6	9 55,93	2,395	8·5492	8·8324	0·3794	−8·2426
1871	19 Scorpii	o	5·6	10 25,02	3,590	8·5252	8·8107	0·5551	+8·1303
1872	20 Scorpii	σ	4	10 52,06	3,626	8·5285	8·8160	0·5595	+8·1573
1873	50 Serpentis	σ	5	13 28,47	3,038	8·4756	8·7753	0·4826	−6·8745
1874	4 Ophiuchi	ψ	5	14 10,01	3,495	8·4988	8·8019	0·5434	+8·0251
1875	20 Herculis	γ	3·4	14 25,20	2,643	8·4977	8·8019	0·4221	−8·0224
1876	22 Herculis	τ	4	14 38,01*	1,797	8·6350	8·9402	0·2544	−8·4971
1877	5 Ophiuchi	g	5	15 24,21	3,578	8·5042	8·8131	0·5537	+8·0969
1878	Scorpii		7	15 24,46*	3,577	8·5040	8·8130	0·5536	+8·0960
1879	19 Cor. Bor.	ξ	5	15 28,45*	2,339	8·5361	8·8454	0·3690	−8·2516
1880	20 Cor. Bor.	ν^1	5	15 57,34*	2,252	8·5484	8·8600	0·3525	−8·2983
1881	21 Cor. Bor.	ν^2	5	16 4,63*	2,255	8·5474	8·8596	0·3531	−8·2961
1882	7 Ophiuchi	χ	5	17 10,16	3,461	8·4831	8·8006	0·5392	+7·9745
1883	51 Serpentis	ω	5	17 34,72*	2,758	8·4735	8·7929	0·4406	−7·8701
1884	3 Ophiuchi	υ	5	18 36,55*	3,237	8·4597	8·7842	0·5102	+7·6024
1885	21 Scorpii	α	1	19 0,03	3,659	8·5004	8·8268	0·5633	+8·1430
1886	Apodis	β	5	19 12,82*	8,362	9·1054	9·4329	0·9223	+9·0944
1887	25 Herculis		5	19 20,50	2,130	8·5547	8·8828	0·3285	−8·3420
1888	22 Scorpii	i	6	19 53,22	3,626	8·4921	8·8229	0·5594	+8·1137
1889	Normæ	α	5	20 17,67*	3,895	8·5318	8·8645	0·5905	+8·2829
1890	Scorpii		7	16 20 57,55*	+3,664	−8·4929	−8·8290	+0·5639	+8·1372

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1856	+23° 56′ 23″,85	− 9″,637	+9·8762	−9·2925	−0·9862	+9·9422	2064	18	
1857	−11 23 48,19	9,682	9·4014	+8·9798	0·9860	9·9423	2059	15	
1858	+ 5 27 45,71	9,652	9·7118	−8·6613	0·9846	9·9427	2062	19	
1859	− 3 14 54,30	9,607	9·5832	+8·4339	0·9826	9·9433	2065	21	
1860	− 7 54 40,58	10,064*	9·4900	+8·8161	1·0028	9·9443	2067	26	
1861	−19 40 23,68*	9,482	+9·0492	+9·2021	0·9769	9·9450		28	
1862	−49 43 42,06*	9,475	−9·5922	+9·5571	0·9766	9·9451			1351 C
1863	−78 29 40,00*	9,433	−9·8910	+9·6639	0·9746	9·9456			1346 C
1864	−28 10 52,97*	9,427	−8·5315	+9·3466	0·9744	9·9457		31	641 M
1865	− 3 31 33,16*	9,410	+9·5786	+8·4605	0·9736	9·9459	2070		
1866	−30 29 8,62*	9,347	−8·8751	+9·3740	0·9707	9·9467		36	1356 C
1867	+23 33 7,73	9,330	+9·8762	−9·2695	0·9699	9·9470	2075	42	
1868	−19 47 42,79*	9,318	9·0334	+9·1971	0·9693	9·9471		39	
1869	− 4 16 11,16	9,306	9·5647	+8·5387	0·9688	9·9473	2073	41	
1870	+29 34 38,15	9,260	9·9112	−9·3580	0·9666	9·9479	2078	47	
1871	−23 45 4,06	9,222	8·5911	+9·2679	0·9648	9·9483	2076	46	642 M
1872	−25 10 30,70	9,187	8·1761	+9·2900	0·9632	9·9488	2077	50	643 M
1873	+ 1 26 9,10	8,984	9·6590	−8·0505	0·9535	9·9513	2081	59	
1874	−19 37 51,36	8,930	9·0334	+9·1752	0·9508	9·9519	2082	64	645 M
1875	+19 33 34,74	8,910	9·8506	−9·1727	0·9499	9·9522	2084	66	
1876	+46 43 6,54	8,893	9·9777	−9·5092	0·9491	9·9524	2086	73	
1877	−23 2 45,28	8,833	8·6812	+9·2368	0·9461	9·9531	2083	71	646 M
1878	−23 0 17,70*	8,833	8·6812	+9·2361	0·9461	9·9531		72	
1879	+31 17 32,50	8,827	9·9227	−9·3594	0·9458	9·9532	2087	74	
1880	+34 12 17,37*	8,790	9·9365	−9·3919	0·9440	9·9536		77	
1881	+34 6 15,05*	8,780	9·9360	−9,3903	0·9435	9·9537		78	
1882	−18 3 42,00	8,694	9·1271	+9·1287	0·9392	9·9547	2088	80	647 M
1883	+14 25 59,56	8,662	9·8096	−9·0323	0·9376	9·9551	2090	81	
1884	− 7 59 0,35*	8,580	+9·4829	+8·7742	0·9335	9·9560		83	6 H
1885	−26 2 44,15	8,550	−7·8451	+9·2725	0·9319	9·9564	2091	84	648 M
1886	−77 8 6,85*	8,533	−9·8949	+9·6181	0·9311	9·9566			1361 C
1887	+37 47 13,18	8,522	+9·9533	−9·4159	0·9306	9·9567	2093	91	
1888	−24 43 53,02	8,479	+8·1761	+9·2480	0·9284	9·9572	2092	89	1370 C
1889	−34 19 28,44*	8,447	−9·1847	+9·3759	0·9267	9·9575		92	1371 C
1890	−26 9 30,02*	− 8,394	−8·0000	+9·2663	−0·9240	+9·9581		93	649 M

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						a	*b*	*c*	*d*
				h m s	s				
1891	8 Ophiuchi	φ	4·5	16 21 25,20	+3,422	−8·4617	−8·8001	+0·5342	+7·9082
1892	14 Draconis	η	3	21 41,48*	0,792	8·7699	9·1096	9·8988	−8·7154
1893	9 Ophiuchi	ω	5	22 4,24	3,537	8·4715	8·8131	0·5486	+8·0276
1894	10 Ophiuchi	λ	4	22 20,40	+3,018	8·4406	8·7836	+0·4497	−7·0560
1895	21 Ursæ Min.	η	5	22 34,38*	−1,867	9·0600	9·4041	−0·2711	−9·0471
1896	27 Herculis	β	2·3	22 54,26	+2,579	8·4703	8·8161	+0·4115	−8·0413
1897	30 Herculis	g	5	23 3,61	1,961	8·5679	8·9146	0·2924	−8·3956
1898	28 Herculis	n	5·6	24 13,62	2,942	8·4346	8·7871	0·4686	−7·4458
1899	29 Herculis	h	4·5	24 39,22	2,811	8·4398	8·7946	0·4489	−7·7527
1900	23 Scorpii	τ	3·4	25 18,88	3,715	8·4811	8·8392	0·5699	+8·1506
1901	12 Ophiuchi		5	27 25,79	3,110	8·4186	8·7877	0·4927	+6·9511
1902	13 Ophiuchi	ξ	3·4	27 48,29	+3,290	8·4236	8·7947	+0·5171	+7·6724
1903	15 Draconis	A	4·5	28 20,98*	−0,161	8·8626	9·2366	−9·2074	−8·8331
1904	33 Herculis		6	28 35,91	+2,907	8·4168	8·7921	+0·4634	−7·5302
1905	35 Herculis	σ	4	28 37,22	1,928	8·5474	8·9228	0·2851	−8·3795
1906	Triang. Aus.	α	2	30 46,48*	6,239	8·8430	9·2299	0·7951	+8·8122
1907	24 Scorpii	m	5	31 44,96	3,456	8·4190	8·8112	0·5386	+7·8948
1908	Scorpii		6·7	34 22,97*	3,735	8·4409	8·8477	0·5722	+8·1152
1909	40 Herculis	ξ	3	34 52,37	2,246*	8·4549	8·8644	0·3514	−8·1782
1910	Aræ	η	4	35 9,82*	5,119	8·6670	9·0781	0·7092	+8·5988
1911	25 Scorpii		6	36 28,01	3,656	8·4194	8·8379	0·5630	+8·0487
1912	16 Ophiuchi	l	6	36 51,75	3,039	8·3741	8·7948	0·4827	−6·7430
1913	44 Herculis	η	3	37 3,51	2,047	8·4840	8·9059	0·3111	−8·2852
1914	43 Herculis	i	5	37 39,99	2,872	8·3752	8·8005	0·4582	−7·5647
1915	26 Scorpii	ε	3	39 10,09	3,870*	8·4436	8·8776	0·5877	+8·1909
1916	45 Herculis	e	5·6	39 24,22	2,946	8·3631	8·7985	0·4692	−7·3494
1917	18 Ophiuchi	u	6	39 24,30*	3,635	8·4014	8·8369	0·5605	+8·0164
1918	18 Draconis	g	5	39 44,97	0,387	8·7319	9·1694	9·5878	−8·6889
1919	Scorpii	μ^1	3·4	40 22,20*	4,041	8·4580	8·8991	0·6064	+8·2449
1920	20 Ophiuchi	r	5	40 25,97	3,300	8·3630	8·8045	0·5186	+7·6225
1921	Scorpii	μ^2	4	40 50,31*	4,040	8·4554	8·8993	0·6064	+8·2419
1922	47 Herculis	k	5	42 4,31	2,901	8·3508	8·8021	0·4626	−7·4693
1923	21 Ophiuchi		6	42 47,77	3,035	8·3433	8·7989	0·4821	−6·7654
1924	Scorpii		6·7	43 23,53*	3,531	8·3672	8·8265	0·5478	+7·9038
1925	50 Herculis	s	5	16 44 0,48	+2,336	−8·3994	−8·8625	+0·3684	−8·0997

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1891	−16° 13′ 59″,84	− 8″,358	+9·2122	+9·0666	−0·9221	+9·9585	2094	94	650 M
1892	+61 54 2,74	8,336	0·0026	−9·5645	0·9210	9·9588	2104	102	
1893	−21 5 34,40	8,306	8·8865	+9·1736	0·9194	9·9591	2095	96	651 M
1894	+ 2 21 51,46	8,284	9·6739	−8·2317	0·9183	9·9593	2097	100	
1895	+76 8 37,33	8,266	9·9948	−9·6025	0·9173	9·9595	2111	114	
1896	+21 51 58,21	8,239	9·8710	−9·1850	0·9159	9·9598	2100	103	
1897	+42 15 40,04	8,227	9·9703	−9·4410	0·9152	9·9599	2102	105	
1898	+ 5 53 26,33	8,134	9·7210	−8·6196	0·9103	9·9609	2101	108	
1899	+11 51 36,77	8,100	+9·7875	−8·9194	0·9085	9·9613	2105	112	
1900	−27 51 12,38	8,047	−8·6435	+9·2732	0·9056	9·9618	2103	113	652 M
1901	− 1 57 12,39	7,877	+9·6053	+8·1270	0·8964	9·9636	2108	121	
1902	−10 12 50,96	7,847	9·4216	+8·8415	0·8947	9·9639	2109	123	
1903	+69 8 10,61	7,803	0·0069	−9·5609	0·8923	9·9643	2118	135	
1904	+ 7 27 39,66	7,783	9·7404	−8·7026	0·8911	9·9645	2112	129	
1905	+42 47 33,31	7,781	+9·9750	−9·4212	0·8911	9·9645	2113	132	
1906	−68 41 56,96*	7,607	−9·8476	+9·5485	0·8812	9·9662			1381 C
1907	−17 24 15,12	7,528	+9·1367	+9·0506	0·8767	9·9670	2114	143	656 M
1908	−28 11 2,23*	7,314	−8·7559	+9·2364	0·8642	9·9690		159	658 M
1909	+31 55 2,58	7,275	+9·9350	−9·2831	0·8618	9·9693	2127	165	
1910	−58 43 24,74*	7,251	−9·7574	+9·4902	0·8604	9·9695			1386 C
1911	−25 12 33,80*	7,145	−7·6990	+9·1814	0·8540	9·9705	2126	168	1387 C
1912	+ 1 20 24,14	7,112	+9·6590	−7·9190	0·8520	9·9708	2129	170	
1913	+39 15 3,14	7,096	+9·9675	−9·3503	0·8510	9·9709	2133	173	
1914	+ 8 54 2,60	7,046	+9·7589	−8·7356	0·8480	9·9714	2131	175	
1915	−33 58 32,45	6,923	−9·2148	+9·2856	0·8403	9·9724	2132	184	659 M
1916	+ 5 33 37,19	6,904	+9·7185	−8·5234	0·8391	9·9726	2137	187	
1917	−24 19 57,87*	6,904	+7·9031	+9·1521	0·8391	9·9726		185	660 M
1918	+64 54 47,36	6,876	+0·0149	−9·4923	0·8373	9·9728	2141	197	
1919	−37 44 42,24*	6,825	−9·3674	+9·3190	0·8341	9·9732		189	1392 C
1920	−10 28 22,44	6,819	+9·4082	+8·7913	0·8337	9·9733	2138	191	
1921	−37 43 1,49*	6,786	−9·3674	+9·3162	0·8316	9·9736		193	1393 C
1922	+ 7 32 56,76	6,684	+9·7435	−8·6416	0·8251	9·9744	2139	207	
1923	+ 1 30 52,56	6,625	+9·6618	−7·9414	0·8212	9·9749	2140	210	
1924	−20 7 20,46*	6,575	+8·9191	+9·0526	0·8179	9·9753		214	662 M
1925	+30 6 11,03	− 6,525	+9·9289	−9·2129	−0·8146	+9·9757	2145	221	

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					a	*b*	*c*	*d*
			h m s	s				
1926	52 Herculis	5	16 44 15,21	+1,746	−8·4956	−8·9602	+0·2421	−8·3546
1927	49 Herculis	6	44 20,65	2,723	8·3503	8·8154	0·4350	−7·7707
1928	22 Ophiuchi	6·7	44 34,79	3,611	8·3700	8·8367	0·5576	+7·9659
1929	Aræ ζ	3·4	44 35,82*	4,922	8·5824	9·0492	0·6922	+8·4995
1930	51 Herculis X^2	6	44 42,23	2,480	8·3752	8·8426	0·3944	−8·0004
1931	23 Ophiuchi *q*	5	45 30,75	3,198	8·3304	8·8028	0·5049	+7·3400
1932	25 Ophiuchi ι	4	45 57,92	2,834	8·3328	8·8081	0·4524	−7·5916
1933	Aræ ε	4·5	46 4,64*	4,743	8·5443	9·0203	0·6760	+8·4460
1934	Ophiuchi	6	46 13,22*	3,444	8·3425	8·8193	0·5371	+7·7965
1935	53 Herculis	5	46 30,83	2,276	8·3940	8·8727	0·3572	−8·1181
1936	24 Ophiuchi	6·7	46 33,34	3,603	8·3578	8·8368	0·5567	+7·9474
1937	Scorpii	6·7	47 5,00*	3,512	8·3442	8·8266	0·5455	+7·8626
1938	54 Herculis	5·6	47 53,79	2,638	8·3381	8·8256	0·4212	−7·8443
1939	Ophiuchi	6	49 34,27	3,657	8·3467	8·8452	0·5631	+7·9698
1940	27 Ophiuchi κ	4	49 37,34	2,852	8·3105	8·8093	0·4551	−7·5347
1941	26 Ophiuchi *x*	6	49 44,50	3,655	8·3453	8·8449	0·5628	+7·9667
1942	Ophiuchi	7	49 50,70*	3,481	8·3247	8·8250	0·5417	+7·8141
1943	Scorpii ϱ	6	50 53,79*	3,862	8·3676	8·8749	0·5868	+8·0904
1944	29 Ophiuchi *s*	6	51 55,31	3,499	8·3137	8·8278	0·5439	+7·8180
1945	30 Ophiuchi *p*	6	52 5,98	3,156	8·2903	8·8056	0·4992	+7·1293
1946	28 Ophiuchi	7	53 33,57*	3,677	8·3244	8·8497	0·5655	+7·9575
1947	Scorpii *k*	5	53 39,27*	3,928	8·3602	8·8862	0·5941	+8·1064
1948	58 Herculis ε	3	53 46,82	2,293	8·3464	8·8733	0·3604	−8·0606
1949	Scorpii	7	54 41,49*	3,541	8·3005	8·8337	0·5491	+7·8396
1950	19 Draconis *h*	5	55 5,52	0,266	8·6508	9·1868	9·4254	−8·6094
1951	Ophiuchi	6	55 8,68*	3,314	8·2777	8·8141	0·5203	+7·5520
1952	59 Herculis *d*	5	55 19,19	2,208	8·3492	8·8869	0·3440	−8·0948
1953	32 Ophiuchi	5·6	55 20,46	2,740	8·2823	8·8201	0·4377	−7·6764
1954	28 Scorpii	6	56 3,70	3,569	8·2946	8·8376	0·5526	+7·8552
1955	34 Ophiuchi	6	56 8,90	2,752	8·2760	8·8196	0·4396	−7·6542
1956	Ophiuchi	6	56 46,59*	3,083	8·2591	8·8072	0·4889	+6·3143
1957	60 Herculis	5	57 29,81	2,771	8·2655	8·8188	0·4427	−7·6170
1958	Ophiuchi	6·7	58 22,96*	3,471	8·2685	8·8283	0·5405	+7·7436
1959	Ophiuchi	6	59 27,46*	3,087	8·2408	8·8086	0·4896	+6·4105
1960	Scorpii η	4	16 59 59,43*	+4,272	−8·3729	−8·9447	+0·6306	+8·2067

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1926	+46° 17′ 0″,69	− 6″,504	+9·9930	−9·3702	−0·8132	+9·9758	2149	224	
1927	+15 16 1,65	6,497	9·8248	−8·9312	0·8127	9·9759	2144	223	
1928	−23 13 25,57*	6,477	+8·4150	+9·1053	0·8114	9·9760	2143	220	
1929	−55 42 32,12*	6,476	−9·7300	+9·4264	0·8113	9·9761			1399 C
1930	+24 57 2,02	6,467	+9·8993	−9·1339	0·8107	9·9761	2147	225	
1931	− 5 52 3,00*	6,400	9·5250	+8·5138	0·8062	9·9766	2146	227	
1932	+10 27 14,60	6,362	+9·7774	−8·7604	0·8036	9·9769	2150	233	
1933	−52 53 12,34*	6,353	−9·6937	+9·4027	0·8030	9·9770			1402 C
1934	−16 31 40,90*	6,341	+9·1644	+8·9543	0·8022	9·9771		232	
1935	+31 59 16,83	6,317	9·9400	−9·2226	0·8005	9·9773	2151	238	
1936	−22 52 16,66*	6,314	8·4914	+9·0879	0·8003	9·9773	2148	234	664 M
1937	−19 15 43,29*	6,270	8·9868	+9·0137	0·7972	9·9776		236	665 M
1938	+18 42 44,83	6,202	+9·8549	−8·9968	0·7925	9·9781	2152	242	
1939	−24 49 29,70*	6,063	−7·7782	+9·1038	0·7827	9·9792	2153	248	666 M
1940	+ 9 38 50,99	6,058	+9·7694	−8·7046	0·7824	9·9792	2156	252	
1941	−24 43 17,34	6,048	−7·6990	+9·1011	0·7816	9·9793	2155	249	667 M
1942	−17 58 27,28*	6,040	+9·0755	+8·9685	0·7810	9·9793		251	
1943	−31 52 49,99*	5,952	−9·1303	+9·1955	0·7747	9·9800		255	1407 C
1944	−18 37 33,41	5,866	+9·0253	+8·9707	0·7684	9·9806	2158	261	668 M
1945	− 3 57 29,45	5,852	+9·5647	+8·3043	0·7673	9·9807	2159	263	
1946	−25 26 46,70*	5,729	−8·3010	+9·0893	0·7581	9·9815		269	669 M
1947	−33 52 27,12*	5,721	−9·2405	+9·2017	0·7575	9·9815		268	
1948	+31 10 58,49	5,711	+9·9380	−9·1689	0·7567	9·9816	2161	272	
1949	−20 14 45,87*	5,634	8·8751	+8·9880	0·7509	9·9821		273	671 M
1950	+65 23 45,71	5,601	0·0228	−9·4050	0·7482	9·9823	2169	286	
1951	−10 50 27,79*	5,596	9·3892	+8·7203	0·7479	9·9824		277	
1952	+33 49 13,42	5,582	9·9523	−9·1903	0·7468	9·9825	2165	280	
1953	+14 20 43,39	5,580	9·8182	−8·8387	0·7466	9·9825	2163	279	
1954	−21 19 11,81	5,519	8·7324	+9·0005	0·7419	9·9829	2162	281	672 M
1955	+13 49 16,32	5,512	9·8136	−8·8176	0·7413	9·9829	2166	285	
1956	− 0 39 1,73*	5,459	9·6263	+7·4903	0·7371	9·9833		289	
1957	+12 58 56,14	5,399	9·8055	−8·7818	0·7323	9·9836	2167	293	
1958	−17 22 30,42*	5,324	9·1004	+8·8994	0·7262	9·9841		297	674 M
1959	− 0 50 49,46*	5,233	+9·6232	+7·5865	0·7188	9·9847		303	
1960	−43 0 5,36*	− 5,188	−9·5340	+9·2469	−0·7150	+9·9849		302	1413 C

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
1961	35 Ophiuchi	η	2·3	17 0 38,15	+3,426	−8·2485	−8·8253	+0·5348	+7·6755
1962	21 Draconis	μ	4	1 48,81	1,242	8·4620	9·0479	0·0940	−8·3738
1963	Herculis		5	2 0,56*	+2,123	8·3154	8·9028	+0·3268	−8·0863
1964	22 Ursæ Min.	ε	4	3 37,41	−6,577*	9·0836	9·6838	−0·8180	−9·0797
1965	29 Scorpii		6·7	3 39,70	+3,722	8·2594	8·8599	+0·5708	+7·9130
1966	37 Ophiuchi		5	4 27,07	2,821	8·2119	8·8188	0·4503	−7·4846
1967	36 Ophiuchi	A	4·5	4 54,62	3,671*	8·2482	8·8589	0·5648	+7·8954
1968	30 Scorpii		7	5 47,94*	3,671*	8·2411	8·8591	0·5648	+7·8874
1969	Scorpii	u	5·6	6 0,78*	3,895	8·2658	8·8855	0·5905	+7·9955
1970	64 Herculis	α	3·4	6 53,56	2,729	8·1992	8·8264	0·4361	−7·6005
1971	31 Scorpii		6·7	7 6,26*	3,715	8·2312	8·8602	0·5699	+7·8797
1972	Scorpii		6·7	7 16,52*	3,892	8·2552	8·8856	0·5902	+7·9837
1973	39 Ophiuchi	o	5·6	7 39,18	3,650	8·2184	8·8521	0·5623	+7·8293
1974	Ophiuchi		6	7 44,32	3,644	8·2170	8·8514	0·5616	+7·8242
1975	41 Ophiuchi	o	4·5	7 53,50	3,074	8·1769	8·8126	0·4876	+5·8089
1976	65 Herculis	δ	4	8 2,14	2,460	8·2186	8·8555	0·3909	−7·8453
1977	22 Draconis	ζ	3	8 18,17	0,153	8·5629	9·2022	9·1855	−8·5234
1978	67 Herculis	π	3·4	9 7,57	2,086	8·2643	8·9108	0·3192	−8·0439
1979	Ophiuchi		6·7	9 59,87*	3,481	8·1800	8·8342	0·5417	+7·6598
1980	66 Herculis	ω	6	10 37,43	2,813	8·1620	8·8219	0·4492	−7·4448
1981	40 Ophiuchi	ρ	4·5	10 48,92	3,567	8·1818	8·8434	0·5523	+7·7346
1982	68 Herculis	u	4	11 2,96	2,211	8·2280	8·8918	0·3445	−7·9675
1983	Aræ	γ	3	11 8,42*	5,019	8·4041	9·0687	0·7006	+8·3238
1984	Aræ	β	3	11 11,05*	4,958	8·3943	9·0593	0·6953	+8·3095
1985	53 Serpentis	ν	4·5	11 16,51	3,362	8·1589	8·8247	0·5265	+7·4998
1986	42 Ophiuchi	θ	3·4	11 34,54	3,672	8·1876	8·8562	0·5649	+7·8107
1987	69 Herculis	e	4·5	11 48,21	2,066	8·2439	8·9146	0·3152	−8·0282
1988	43 Ophiuchi	y	6	12 40,26	3,762	8·1897	8·8685	0·5755	+7·8608
1989	70 Herculis	a	5·6	13 53,83	2,467	8·1661	8·8566	0·3921	−7·7867
1990	Scorpii		6	14 32,25*	3,578	8·1492	8·8460	0·5536	+7·7089
1991	33 Scorpii		7	14 43,36	3,654	8·1563	8·8549	0·5627	+7·7670
1992	Aræ	δ	4	15 48,34*	5,389	8·4144	9·1238	0·7315	+8·3543
1993	44 Ophiuchi	b	5·6	15 59,81	3,652	8·1438	8·8552	0·5626	+7·7533
1994	45 Ophiuchi	d	5	16 30,46*	3,817	8·1607	8·8772	0·5817	+7·8558
1995	Ophiuchi		6·7	17 16 47,54*	+3,813	−8·1573	−8·8767	+0·5812	+7·8505

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
1961	−15° 30′ 16″,01	− 5″,134	+9·2041	+8·8355	−0·7104	+9·9853	2171	306	675 M
1962	+54 41 49,21	5,034	0·0175	−9·3117	0·7019	9·9859	2175	4	
1963	+36 9 41,12*	5,018	9·9643	−9·1694	0·7005	9·9859		3	
1964	+82 18 14,13	4,881	+0·0082	−9·3826	0·6885	9·9867	2201	36	
1965	−26 46 14,20*	4,877	−8·6990	+9·0399	0·6882	9·9867	2174	6	
1966	+10 47 57,14	4,810	+9·7839	−8·6529	0·6822	9·9871	2178	16	
1967	−26 20 34,92	6,021*	−8·6232	+9·0238	0·7797	9·9873	2176	17	676 M
1968	−26 17 29,72	5,936*	8·6232	+9·0161	0·7735	9·9877	2179	21	677 M
1969	−32 27 37,82*	4,678	−9·1931	+9·0978	0·6700	9·9878		23	1419 C
1970	+14 35 31,51	4,603	+9·8228	−8·7624	0·6630	9·9882	2183	29	
1971	−26 25 52,13*	4,585	−8·6435	+9·0079	0·6613	9·9883		27	
1972	−32 21 29,60*	4,570	9·1875	+9·0865	0·6599	9·9884		28	
1973	−24 5 29,43	4,538	−7·3010	+8·9658	0·6569	9·9886	2181	32	678 M
1974	−23 52 29,87*	4,531	+7·4771	+8·9614	0·6562	9·9886	2182	33	679 M
1975	− 0 14 44,33	4,518	9·6335	+6·9850	0·6549	9·9887	2184	34	
1976	+25 2 48,59	4,506	9·9063	−8·9785	0·6538	9·9887	2185	35	
1977	+65 55 28,13	4,483	0·0282	−9·3101	0·6515	9·9889	2193	42	
1978	+37 0 22,21	4,413	9·9703	−9·1223	0·6447	9·9892	2187	39	
1979	−17 34 10,88*	4,338	9·0755	+8·8152	0·6373	9·9896		43	
1980	+11 3 25,73	4,285	9·7875	−8·6128	0·6319	9·9898	2191	50	
1981	−20 55 16,71	4,268	8·7482	+8·8811	0·6303	9·9899	2186	47	680 M
1982	+33 17 20,01	4,248	+9·9538	−9·0657	0·6282	9·9900	2194	56	
1983	−56 12 18,74*	4,241	−9·7566	+9·2451	0·6274	9·9901			1422 C
1984	−55 21 18,59*	4,237	−9·7459	+9·2403	0·6270	9·9901			1423 C
1985	−12 39 53,40	4,229	+9·3201	+8·6652	0·6262	9·9901	2190	52	
1986	−24 49 11,84	4,203	−8·2041	+8·9447	0·6236	9·990[illegible]	9	53	682 M
1987	+37 28 37,17	4,184	+9·9727	−9·1038	0·6216		[illegible]	59	
1988	−27 58 2,61	4,110	−8·8808	+8·983[illegible]				60	683 M
1989	+24 40 31,45	4,005	+9·9047					75	
1990	−21 16 25,80*	3,950						76	684 M
1991	−24 4 42,[illegible]							77	685 M
1992	−[illegible]								1433 C
									686 M
									1435 C

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						a	*b*	*c*	*d*
				h m s	s				
1996	73 Herculis		6	17 16 59,55*	+ 2,507	−8·1311	−8·8526	+0·3992	−7·7252
1997	47 Ophiuchi		6	17 30,33	3,356	8·0997	8·8266	0·5258	+7·4300
1998	Ophiuchi		5·6	17 36,88*	3,181	8·0901	8·8180	0·5026	+7·0241
1999	75 Herculis	ϱ	4	17 48,90	2,067	8·1859	8·9159	0·3153	−7·9684
2000	49 Ophiuchi	σ	4·5	18 4,95	2,969	8·0849	8·8178	0·4727	−6·9595
2001	Aræ	α	3	18 43,52*	4,620	8·2666	9·0063	0·6646	+8·1491
2002	34 Scorpii	υ	3·4	19 13,05	4,064	8·1704	8·9155	0·6090	+7·9514
2003	Herculis		6	19 28,68*	2,583	8·0968	8·8447	0·4122	−7·6357
2004	Ophiuchi		6	20 9,56*	3,057	8·0619	8·8173	0·4853	−5·9817
2005	51 Ophiuchi	e^2	5	21 3,31	3,649	8·0907	8·8563	0·5622	+7·6970
2006	Sagittarii		6·7	21 11,39*	3,714	8·0974	8·8645	0·5699	+7·7413
2007	35 Scorpii	λ	3	22 4,65	4,060	8·1381	8·9154	0·6085	+7·9172
2008	Ophiuchi	h	6	22 50,05*	3,002	8·0325	8·8187	0·4771	−6·7304
2009	76 Herculis	λ	4·5	23 52,10	2,417	8·0671	8·8657	0·3833	−7·7147
2010	Scorpii		5	24 50,93*	4,119	8·1144	8·9253	0·6147	+7·9086
2011	52 Ophiuchi		7	25 5,13	3,599	8·0376	8·8514	0·5562	+7·6097
2012	Scorpii	θ	5	25 6,78*	4,294	8·1397	8·9539	0·6329	+7·9625
2013	78 Herculis		6	25 8,68	2,350	8·0606	8·8751	0·3710	−7·2387
2014	54 Ophiuchi		6	26 31,51	2,756	7·9987	8·8310	0·4403	−7·9500
2015	53 Ophiuchi	f	6	26 32,64*	2,842	7·9929	8·8255	0·4536	−7·2199
2016	23 Draconis	β	2	26 35,31	1,349	8·2009	9·0341	0·1301	−8·1000
2017	55 Ophiuchi	α	2	27 2,43	2,770	7·9909	8·8301	0·4125	−7·8328
2018	Serpentis		6·7	27 51,17*	3,434	7·9854	8·8356	0·5358	+7·4112
2019	55 Serpentis	ξ	5	27 51,25	3,430	7·9851	8·8353	0·5352	+7·4060
2020	2 Sagittarii		6	28 32,41	3,597	7·9923	8·8520	0·5560	+7·5622
2021	57 Ophiuchi	μ	5	28 36,08	3,254	7·9635	8·8241	0·5124	+7·1074
2022	24 Draconis	ν^1	5	28 49,83	1,156	8·2008	9·0646	0·0629	−8·1153
2023	25 Draconis	ν^2		28 54,81	1,157	8·1996	9·0645	0·0632	−8·1145
2024	Sagitt[illegible]				3,898	8·0266	8·8919	0·5909	+7·5519
2025	Pavon.					8·3205	9·1880	0·7679	+8·2761
2026	79 Herculi						8610	0·3921	−7·[illegible]
2027	Scorpii							0·6169	+7·[illegible]
2028	56 Serpenti								+7·[illegible]
2029	Sagittari								[illegible]
2030	27 Draconi								

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1996	+23° 7′ 31″,02	− 3″,739	+9·8949	−8·8649	−0·5728	+9·9923	2204	97	
1997	−12 21 9,11	3,695	9·3304	+8·5959	0·5676	9·9925	2202	98	
1998	− 4 55 39,93*	3,686	9·5416	+8·1985	0·5665	9·9925		99	27 H
1999	+37 18 33,31	3,668	9·9736	−9·0451	0·5645	9·9926	2207	105	
2000	+ 4 17 48,14	3,645	+9·7050	−8·1344	0·5617	9·9927	2206	103	
2001	−49 43 48,72*	3,590	−9·6721	+9·1357	0·5551	9·9929			1436 C
2002	−37 8 56,96	3,548	−9·3945	+9·0290	0·5499	9·9931	2205	106	1438 C
2003	+20 13 56,87*	3,525	+9·8733	−8·7841	0·5472	9·9932		109	
2004	+ 0 28 35,02*	3,467	+9·6454	−7·1578	0·5399	9·9934		112	
2005	−23 49 16,63	3,389	−7·0000	+8·8344	0·5301	9·9937	2209	115	687 M
2006	−26 7 46,74*	3,378	−8·6435	+8·8705	0·5286	9·9937		117	
2007	−36 58 3,48	3,301	−9·3909	+8·9959	0·5187	9·9940	2210	121	688 M
2008	+ 2 51 33,47*	3,236	+9·6830	−7·9060	0·5100	9·9943		127	
2009	+26 14 41,29	3,147	+9·9170	−8·8415	0·4979	9·9946	2213	136	
2010	−38 30 8,73*	3,062	−9·4393	+8·9782	0·4860	9·9949		137	1445 C
2011	−21 55 9,81	3,042	+8·5315	+8·7532	0·4831	9·9949	2212	140	690 M
2012	−42 52 39,16*	3,039	−9·5502	+9·0136	0·4828	9·9949		138	1446 C
2013	+28 32 11,77	3,036	+9·9309	−8·8596	0·4824	9·9950	2214	146	
2014	+13 17 8,05	2,917	9·8122	−8·5243	0·4649	9·9954	2216	151	
2015	+ 9 42 34,67	2,915	9·7745	−8·3897	0·4647	9·9954	2215	150	
2016	+52 25 51,11	2,912	0·0208	−9·0612	0·4641	9·9954	2221	155	694 M
2017	+12 41 31,36	2,872	9·8062	−8·4981	0·4582	9·9955	2218	153	692 M
2018	−15 27 28,90*	2,802	9·1875	+8·5713	0·4475	9·9957		156	691 M
2019	−15 16 55,26	2,802	9·1987	+8·5664	0·4475	9·9957	2217	157	693 M
2020	−21 48 3,09	2,743	8·5441	+8·7060	0·4382	9·9959	2219	160	
2021	− 8 0 21,94	2,737	9·4654	+8·2793	0·4373	9·9959	2220	161	
2022	+55 18 14,04	2,717	0·0261	−9·0472	0·4342	9·9960	2222	168	
2023	+55 17 30,27	2,710	+0·0261	−9·0460	0·4330	9·9960	2224	169	
2024	−32 5 41,47*	2,708	−9·1987	+8·8560	0·4326	9·9960		162	1452 C
2025	−64 37 33,50*	2,695	−9·8506	+9·0845	0·4305	9·9960			1449 C
2026	+24 25 7,34	2,572	+9·9058	−8·7247	0·4103	9·9964	2223	178	
2027	−38 55 53,27*	2,552	−9·4548	+8·9032	0·4069	9·9964		174	1456 C
2028	−12 46 29,66	2,455	+9·3096	+8·4327	0·3900	9·9967	2225	184	
2029	−27 47 31,69*	2,391	−8·8976	+8·7453	0·3786	9·9969		186	
2030	+68 14 36,65	− 2,386	+0·0346	−9·0437	−0·3777	+9·9969	2234	198	

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					a	*b*	*c*	*d*
			h m s	s				
2031	Serpentis	7	17 32 54,70*	+ 3,435	−7·9115	−8·8369	+0·5359	+7·3375
2032	58 Ophiuchi D	5	33 15,13	3,593	7·9216	8·8525	0·5555	+7·4874
2033	Ophiuchi	7	34 9,07*	3,607	7·9084	8·8543	0·5572	+7·4840
2034	Ophiuchi	6	34 20,88*	2,686	7·8892	8·8384	0·4292	−7·3305
2035	85 Herculis ι	4	34 39,42*	1,688	8·0257	8·9803	0·2273	−7·8834
2036	60 Ophiuchi β	3	35 4,42	2,960	7·8610	8·8228	0·4713	−6·7695
2037	Scorpii ι¹	4·5	35 41,71*	4,185	7·9647	8·9375	0·6217	+7·7732
2038	84 Herculis	5·6	36 22,58	2,465	7·8770	8·8623	0·3918	−7·4932
2039	3 Sagittarii p	5	36 51,50	3,768	7·8805	8·8748	0·5761	+7·5486
2040	Sagittarii	7	37 50,26*	+ 3,743	7·8584	8·8716	+0·5732	+7·5140
2041	28 Draconis ω	5	37 56,82	− 0,367	8·2490	9·2644	−9·5651	−8·2187
2042	Sagittarii	5·6	38 8,18*	+ 3,887	7·8726	8·8918	+0·5897	+7·5924
2043	Telescopii γ	4	38 17,16*	4,070	7·8974	8·9195	0·6096	+7·6766
2044	Sagittarii	7	38 20,35*	3,852	7·8636	8·8868	0·5857	+7·5691
2045	62 Ophiuchi γ	4	39 22,00	3,003	7·7782	8·8227	0·4776	−6·4639
2046	86 Herculis μ	4	39 47,83	2,366	7·8219	8·8756	0·3739	−7·1910
2047	Sagittarii	7	40 16,21*	3,852	7·8230	8·8870	0·5857	+7·5284
2048	87 Herculis	6	41 55,23	2,427	7·7656	8·8677	0·3851	−7·1026
2049	63 Ophiuchi z	6·7	44 26,44	3,685	7·6975	8·8651	0·5665	+7·3209
2050	Serpentis	7	46 32,33*	3,445	7·6092	8·8398	0·5372	+7·0435
2051	Serpentis	6	47 49,16*	3,162	7·5503	8·8244	0·5000	+6·8991
2052	Sagittarii	5	48 10,35*	3,845	7·5999	8·8868	0·5849	+7·3018
2053	89 Herculis	5·6	48 33,79	2,415	7·5685	8·8700	0·3829	−7·2116
2054	4 Sagittarii b	5	49 24,96	3,656	7·5268	8·8620	0·5631	+7·1335
2055	64 Ophiuchi ν	4	49 39,97	3,297	7·4841	8·8298	0·5181	+6·7136
2056	5 Sagittarii i	7	49 47,18	3,670	7·5129	8·8636	0·5646	+7·1266
2057	Sagittarii	6·7	49 53,30*	3,562	7·4963	8·8514	0·5517	+7·0369
2058	91 Herculis θ	4	50 24,89	2,052	7·5445	8·9228	0·3121	−7·3267
2059	32 Draconis ξ	3·4	50 34,77	1,020	7·7004	9·0863	0·0086	−7·4236
2060	92 Herculis ξ	4	51 9,28*	2,320	7·4697	8·8829	0·3654	−7·1590
2061	57 Serpentis ζ	5	51 30,22	3,154	7·3938	8·8245	0·4988	+6·9001
2062	6 Sagittarii	7	51 31,19	3,480	7·4118	8·8433	0·5416	+6·8812
2063	Sagittarii	6	51 36,51*	3,628	7·4227	8·8588	0·5597	+7·0104
2064	66 Ophiuchi n	5	51 50,55	2,970	7·3764	8·8248	0·4728	−6·9395
2065	94 Herculis ν	5	17 51 59,27	+ 2,291	−7·4308	−8·8870	+0·3599	−7·1325

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2031	−15° 28′ 0″,14*	−2″,363	+9·1847	+8·4976	−0·3735	+9·9970		188	695 M
2032	−21 35 22,81	2,334	8·5911	+8·6319	0·3681	9·9970	2226	192	696 M
2033	−22 6 30,53*	2,256	8·4472	+8·6269	0·3533	9·9972		195	
2034	+16 2 13,09*	2,239	9·8401	−8·4893	0·3500	9·9973		203	
2035	+46 6 5,59	2,212	0·0073	−8·9005	0·3447	9·9973	2233	211	
2036	+ 4 38 48,27	2,176	9·7110	−7·9442	0·3376	9·9974	2229	209	
2037	−40 2 58,88*	2,121	9·4886	+8·8332	0·3266	9·9976		210	1462 C
2038	+24 24 31,76	2,062	+9·9063	−8·6286	0·3143	9·9977	2235	218	
2039	−27 45 19,73	2,020	−8·8976	+8·6716	0·3054	9·9978	2230	217	697 M
2040	−26 54 15,50*	1,935	−8·7993	+8·6404	0·2867	9·9980		223	698 M
2041	+68 50 11,71	1,926	+0·0354	−8·9523	0·2846	9·9980	2238	241	
2042	−31 38 4,41*	1,909	−9·1818	+8·6986	0·2808	9·9980		227	1469 C
2043	−36 58 41,54*	1,896	−9·4014	+8·7552	0·2779	9·9980		229	1468 C
2044	−30 31 39,26*	1,891	−9·1206	+8·6807	0·2768	9·9981		231	
2045	+ 2 46 46,36	1,802	+9·6821	−7·6395	0·2558	9·9982	2236	239	
2046	+27 49 32,83	2,604*	+9·9289	−8·6138	0·4156	9·9983	2237	244	
2047	−30 29 50,22*	1,723	−9·1206	+8·6398	0·2364	9·9984		243	
2048	+25 41 8,58	1,579	+9·9154	−8·5335	0·1985	9·9986	2239	259	
2049	−24 50 37,41*	1,360	−8·3979	+8·4549	0·1334	9·9990	2241	267	
2050	−15 46 23,15*	1,177	+9·1673	+8·2029	0·0706	9·9993		281	705 M
2051	− 4 2 55,01*	1,065	+9·5587	+7·5741	0·0273	9·9994		293	
2052	−30 13 32,53*	1,034	−9·1072	+8·4144	0·0145	9·9994		294	1473 C
2053	+26 5 3,58	1,000	+9·9186	−8·3411	9·9999	9·9995	2249	298	
2054	−23 47 24,14	0,925	−7·7782	+8·2701	9·9663	9·9995	2246	299	706 M
2055	− 9 44 32,10	0,903	+9·4133	+7·8824	9·9559	9·9996	2250	303	
2056	−24 15 39,22*	0,893	−8·1461	+8·2626	9·9508	9·9996	2247	302	707 M
2057	−20 19 2,46*	0,884	+8·7782	+8·1851	9·9464	9·9996		304	708 M
2058	+37 16 44,51	0,838	+9·9777	−8·4036	9·9233	9·9996	2256	309	
2059	+56 54 5,16	0,824	0·0310	−8·5369	9·9158	9·9996	2263	316	
2060	+29 16 23,50	0,773	9·9385	−8·2757	9·8884	9·9997	2258	314	
2061	− 3 40 13,80	0,743	9·5670	+7·3753	9·8709	9·9997	2254	313	
2062	−17 8 25,60	0,741	9·0792	+8·0375	9·8701	9·9997	2253	311	
2063	−22 45 58,49*	0,734	8·1139	+8·1512	9·8655	9·9997		312	709 M
2064	+ 4 11 14,55	0,713	9·7942	−7·4147	9·8533	9·9997	2257	318	
2065	+30 12 34,95	−0,701	+9·9435	−8·2452	−9·8454	+9·9997	2261	324	

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						a	*b*	*c*	*d*
				h m s	s				
2066	67 Ophiuchi	*o*	4	17 52 7,76	+ 2,999	−7·3603	−8·8242	+0·4770	−6·0716
2067	7 Sagittarii	*a*	6	52 25,03	3,670	7·3837	8·8639	0·5647	+6·9976
2068	93 Herculis	E	5	52 28,65	2,666	7·3589	8·8425	0·4258	−6·8190
2069	Sagittarii		6	52 28,99*	3,573	7·3687	8·8527	0·5531	+6·9176
2070	Tauri Pon.		6	52 34,98*	2,921	7·3365	8·8263	0·4655	−6·3757
2071	33 Draconis	γ	2	52 39,39	1,388	7·5355	9·0297	0·1425	−7·4291
2072	68 Ophiuchi	*k*	5·6	53 7,47	3,037	7·3011	8·8238	0·4825	−5·6627
2073	Aræ	θ	4	53 24,76*	4,665	7·4752	9·0165	0·6688	+7·3600
2074	9 Sagittarii		6·7	53 27,15	3,673	7·3202	8·8642	0·5650	+6·9355
2075	69 Ophiuchi	τ	5	53 49,23	3,260	7·2590	8·8282	0·5132	+6·4117
2076	Sagittarii	γ^1	5	54 9,44*	3,826	7·2909	8·8844	0·5828	+6·9843
2077	95 Herculis	B	5·6	54 17,08	2,539	7·2524	8·8554	0·4047	−6·8184
2078	Sagittarii		7	54 44,67*	3,674	7·2249	8·8644	0·5651	+6·8409
2079	10 Sagittarii	γ^2	4	54 53,69	3,852	7·2360	8·8881	0·5857	+6·9404
2080	96 Herculis	Q	5	55 6,57	2,560	7·1824	8·8532	0·4082	−6·7336
2081	97 Herculis		6	55 23,10	2,503	7·1636	8·8596	0·3984	−6·7512
2082	70 Ophiuchi	*p*	4·5	56 51,92	3,009	6·9603	8·8243	0·4784	−5·6080
2083	Sagittarii		7	56 59,38*	+ 3,593	6·9728	8·8551	+0·5555	+6·5360
2084	Draconis		5	57 2,54	− 2,710	7·5819	9·4711	−0·4329	−7·5706
2085	Sagittarii		5	57 18,92*	+ 3,792	6·9485	8·8798	+0·5789	+6·6267
2086	Telescopii	ε	5	58 36,77*	4,450	6·7637	8·9819	0·6484	+6·6204
2087	98 Herculis		5·6	58 52,02	2,523	6·5516	8·8574	0·4018	−6·1291
2088	Sagittarii		6	59 8,22*	3,863	6·4657	8·8897	0·5869	+6·1713
2089	71 Ophiuchi	S^1	6	59 10,31	2,863	6·3867	8·8290	0·4568	−5·5675
2090	72 Ophiuchi	S^2	4	17 59 17,16	2,843	−6·3238	8·8300	0·4538	−5·5435
2091	103 Herculis	*o*	4	18 0 54,57	2,335	+6·4799	8·8810	0·3683	+6·1629
2092	73 Ophiuchi	*q*	6	1 6,71	2,975	6·5110	8·8249	0·4735	+5·3516
2093	Sagittarii		6	1 20,83	3,655	6·6313	8·8623	0·5629	−6·2359
2094	102 Herculis	C	5·6	1 28,76	2,561	6·6629	8·8532	0·4083	+6·2132
2095	101 Herculis	P	6	1 32,62	2,581	6·6793	8·8510	0·4118	+6·2139
2096	13 Sagittarii	μ^1	3·4	3 35,62	3,583	7·0493	8·8540	0·5543	−6·6055
2097	Sagittarii		6	4 3,14	3,601	7·1035	8·8559	0·5564	−6·6728
2098	15 Sagittarii	μ^2	6	5 4,27	3,575	7·1980	8·8530	0·5532	−6·7477
2099	16 Sagittarii		6	5 5,63	3,566	7·1989	8·8520	0·5521	−6·7418
2100	104 Herculis	A	5	18 5 30,19	+ 2,254	+7·2729	−8·8924	+0·3529	+6·9894

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			a'	*b'*	*c'*	*d'*			
2066	+ 2° 56′ 55″,13	− 0″,688	+9·6848	−7·2471	−9·8377	+9·9997	2259	322	
2067	−24 16 15,86	0,663	−8·1761	+8·1335	9·8216	9·9998	2255	321	710 M
2068	+16 46 6,09	0,658	+9·8476	−7·9762	9·8180	9·9998	2262	329	
2069	−20 43 34,76*	0,657	8·7160	+8·0647	9·8177	9·9998		323	
2070	+ 6 16 59,13*	0,648	9·7324	−7·5491	9·8119	9·9998		328	
2071	+51 30 42,72	0,642	0·0220	−8·3993	9·8076	9·9998	2267	335	714 M
2072	+ 1 19 2,52	0,601	+9·6599	−6·8386	9·7790	9·9998	2264	331	
2073	−50 5 27,72*	0,576	−9·6893	+8·3433	9·7605	9·9998			1480 C
2074	−24 21 16,31	0,573	−8·2304	+8·0712	9·7578	9·9998	2260	332	712 M
2075	− 8 10 17,51	0,540	+9·4594	+7·5834	9·7326	9·9998	2265	337	
2076	−29 34 40,14*	0,511	−9·0645	+8·0997	9·7083	9·9999		339	1484 C
2077	+21 36 12,21	0,500	+9·8876	−7·9629	9·6988	9·9999	2268	344	
2078	−24 23 50,40*	0,460	−8·2553	+7·9764	9·6624	9·9999		342	
2079	−30 24 57,37	0,446	−9·1206	+8·0522	9·6498	9·9999	2266	343	713 M
2080	+20 50 26,14	0,428	+9·8820	−7·8803	9·6310	9·9999	2269	349	
2081	+22 55 43,66	0,404	9·8976	−7·8945	9·6059	9·9999	2270	352	
2082	+ 2 32 47,68	1,444*	9·6794	−6·7837	0·1596	0.0000	2271	358	
2083	−21 27 7,94*	0,263	8·5798	+7·6809	9·4197	0·0000		356	715 M
2084	+76 58 46,18	0,259	+0·0302	−8·0995	9·4127	0·0000	2287	380	
2085	−28 27 58,33*	0,235	−8·9777	+7·7469	9·3706	0·0000		359	716 M
2086	−45 58 21,37*	0,121	−9·6201	+7·6385	9·0837	0·0000		361	1496 C
2087	+22 12 36,47	0,099	+9·8921	−7·2717	8·9961	0·0000	2274	372	
2088	−30 44 42,80*	0,076	−9·1399	+7·2846	8·8779	0·0000		367	717 M
2089	+ 8 43 15,70	0,072	+9·7642	−6·7385	8·8597	0·0000	2273	373	
2090	+ 9 32 53,41	− 0,062	9·7738	−6·7136	−8·7957	0·0000	2275	374	
2091	+28 44 44,09	+ 0,080	9·9355	+7·2809	+8·9008	0·0000	2281	388	
2092	+ 3 58 21,32	0,097	+9·7007	+6·5266	8·9880	0·0000	2277	387	
2093	−23 43 32,86*	0,118	−7·6990	−7·3737	9·0710	0·0000	2276	386	718 M
2094	+20 47 40,58	0,129	+9·8814	+7·3600	9·1117	0·0000	2282	1	
2095	+20 1 32,77	0,135	9·8751	+7·3629	9·1302	0·0000	2283	2	
2096	−21 5 37,16	0,314	8·6532	−7·7515	9·4973	9·9999	2284	7	719 M
2097	−21 44 56,93	0,354	8·5185	−7·8163	9·5494	9·9999	2286	11	720 M
2098	−20 46 7,55	0,443	8·7076	−7·8946	9·6468	9·9999	2288	12	721 M
2099	−20 25 46,29	0,445	8·7634	−7·8897	9·6487	9·9999	2289	15	722 M
2100	+31 22 12,96	+ 0,481	+9·9499	+8·0969	+9·6824	+9·9999	2291	18	

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					a	*b*	*c*	*d*
			h m s	s				
2101	Telescopii β	4	18 6 7,92*	+ 4,067	+7·3478	−8.9203	+0·6093	−7·1253
2102	17 Sagittarii	7	6 28,03	3,570	7·3030	8·8524	0·5526	−6·8492
2103	Sagittarii g	5·6	7 24,64*	3,751	7·3840	8·8742	0·5742	−7·0425
2104	Clypei Sob.	7	7 30,12*	3,515	7·3619	8·8468	0·5460	−6·8637
2105	19 Sagittarii δ	3·4	10 6,43	3,835	7·5302	8·8855	0·5838	−7·2278
2106	Clypei Sob.	6	10 21,15*	3,447	7·4955	8·8403	0·5375	−6·9323
2107	105 Herculis G	5	12 10,49	2,463	7·5895	8·8639	0·3915	+7·2053
2108	74 Ophiuchi r	6	12 23,23	2,991	7·5572	8·8240	0·4758	+6·3186
2109	58 Serpentis η	4	12 30,74	3,092*	7·5614	8·8238	0·4902	−6·2706
2110	20 Sagittarii ε	3	12 53,32	3,983	7·6575	8·9070	0·6002	−7·4101
2111	36 Draconis	5	12 54,82	0,291	7·9380	9·1867	9·4639	+7·8929
2112	106 Herculis	5·6	13 5,86	2,532	7·6132	8·8557	0·4034	+7·1848
2113	1 Lyræ $\varkappa$	4·5	13 54,33	2,099	7·6987	8·9151	0·3221	+7·4678
2114	Sagittarii	6	14 6,03*	3,864	7·6788	8·8893	0·5870	−7·3886
2115	Telescopii α	4·5	14 21,95*	4,451	7·7794	8·9817	0·6485	−7·6367
2116	107 Herculis t	6	14 22,91	2,335	7·6786	8·8804	0·3683	+7·3614
2117	Herculis	5·6	15 ——*	2,497	7·6796	8·8596	0·3973	+7·2751
2118	21 Sagittarii	6	15 13,28	3,570	7·6746	8·8517	0·5526	−7·2214
2119	Pavonis ν	5	15 29,66*	5,615	7·9873	9·1566	0·7493	−7·9347
2120	Telescopii ξ	5	15 42,46*	4,609	7·8438	9·0072	0·6636	−7·7225
2121	109 Herculis F	5·6	16 27,40	2,538	7·7116	8·8547	0·4044	+7·2795
2122	22 Sagittarii λ	4	17 28,72	3,704	7·7504	8·8672	0·5686	−7·3844
2123	Sagittarii	6	18 1,05*	3,495	7·7402	8·8438	0·5435	−7·2951
2124	59 Serpentis d	5·6	18 30,59	3,066	7·7307	8·8225	0·4865	+4·9903
2125	Clypei Sob.	5	19 ——*	3,416	7·7685	8·8367	0·5336	−7·1719
2126	Sagittarii v^1	6	19 55,87*	3,935	7·8396	8·8991	0·5950	−7·5767
2127	Clypei Sob.	6·7	20 ——*	3,417	7·7816	8·8367	0·5336	−7·1856
2128	Sagittarii	6	20 12,06*	3,522	7·7924	8·8461	0·5468	−7·3012
2129	60 Serpentis c	6	20 49,60	3,117	7·7820	8·8224	0·4957	−6·3433
2130	Sagittarii	7	21 20,86*	3,526	7·8168	8·8464	0·5473	−7·3296
2131	39 Draconis b	5	21 25,63	0,880	8·0785	9·1065	9·9443	+8·0102
2132	1 Sagittarii	6	21 28,46*	3,513	7·8181	8·8451	0·5457	−7·3198
2133	Sagittarii	7	21 52,43*	3,532	7·8280	8·8469	0·5480	−7·3457
2134	Herculis H	6	22 32,34*	2,483	7·8544	8·8603	0·3949	+7·4596
2135	Sagittarii v^2		18 22 48,43*	+ 3,936	+7·8981	−8·8988	+0·5950	−7·6358

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2101	−36° 48′ 1″,28*	+ 0″,536	−9·3997	−8·2048	+9·7293	+9·9998		17	1503 C
2102	−20 35 28,69	0,565	+8·7324	−7·9966	9·7524	9·9998	2290	20	
2103	−27 5 41,02*	0,648	−8·8388	−8·1681	9·8116	9·9998		24	
2104	−18 30 51,12*	0,656	+8·9777	−8·0167	9·8169	9·9998		25	
2105	−29 53 27,22	0,884	−9·0864	−8·3419	9·9463	9·9996	2294	32	723 M
2106	−15 52 ——*	0,905	+9·1584	−8·0915	9·9567	9·9996	2296		
2107	+24 22 57,43	1,064	9·9069	+8·3408	0·0270	9·9994	2300	47	
2108	+ 3 18 34,44	1,083	9·6911	+7·4940	0·0345	9·9994	2299	45	
2109	− 2 56 3,76	0,414*	+9·5821	−7·4461	9·6170	9·9994	2298	48	
2110	−34 27 7,43	1,127	−9·3160	−8·5024	0·0518	9·9993	2297	46	724 M
2111	+64 20 28,31	1,129	+0·0366	+8·7055	0·0526	9·9993	2309	54	
2112	+21 53 47,49	1,145	9·8893	+8·3284	0·0587	9·9993	2301	49	
2113	+35 59 35,59	1,215	+9·9722	+8·5519	0·0847	9·9992	2305	55	
2114	−30 49 57,75*	1,232	−9·1430	−8·4985	0·0907	9·9992		52	1516 C
2115	−46 2 57,25*	1,255	−9·6212	−8·6541	0·0988	9·9991		50	1513 C
2116	+28 47 43,60	1,257	+9·9350	+8·4801	0·0993	9·9991	2306	56	
2117	+23 12 12,12*	1,321	9·8987	+8·4145	0·1210	9·9991	2308		
2118	−20 37 22,71	1,330	+8·7404	−8·3688	0·1239	9·9990	2303	58	725 M
2119	−62 22 12,14*	1,354	−9·8344	−8·7771	0·1316	9·9990			1512 C
2120	−49 8 30,63*	1,373	−9·6730	−8·7143	0·1375	9·9990			1517 C
2121	+21 42 1,24	1,438	+9·8876	+8·4237	0·1577	9·9989	2311	64	
2122	−25 30 24,21	1,527	−8·5682	−8·5160	0·1839	9·9987	2310	66	726 M
2123	−17 46 54,71*	1,574	+9·0374	−8·3799	0·1970	9·9987			1220 Z
2124	+ 0 6 14,64	1,617	9·6395	+6·1664	0·2087	9·9986	2312	74	
2125	−14 39 57,60*	1,707	+9·2253	−8·3336	0·2321	9·9984	2313		
2126	−33 5 24,94*	1,741	−9·2553	−8·6760	0·2408	9·9984		79	1526 C
2127	−14 41 12,04*	1,759	+9·2227	−8·3473	0·2452	9·9983	2314		
2128	−18 49 37,67*	1,764	8·9542	−8·4534	0·2466	9·9983		82	728 M
2129	− 2 5 11,56	1,819	9·5999	−7·5191	0·2598	9·9982	2317	86	
2130	−19 0 22,87*	1,864	8·9345	−8·4813	0·2705	9·9981			
2131	+58 42 16,60	1,871	0·0318	+8·9019	0·2721	0·[illegible]			
2132	−18 30 33,53*	1,875	8·9823	−8·[illegible]					
2133	−19 14 6,00*	1,910	8·9138	−					
2134	+23 45 32,42*	1,968	+9·9020	+[illegible]					
2135	−33 7 55,23*	+ 1,991	−9·2577	−[illegible]					

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
2136	Sagittarii	7	18 22 49,46	+ 3,666	+7·8614	−8·8618	+0·5642	−7·4745
2137	Clypei Sob. s^1	6·7	23 0,78	3,424	7·8400	8·8367	0·5345	−7·2524
2138	Pavonis ζ	4	23 9,.0*	7,054	8·3275	9·3215	0·8484	−8·3046
2139	61 Serpentis *e*	6	23 10,67	3,094	7·8281	8·8218	0·4905	−6·1174
2140	Sagittarii	7	23 12,42*	3,512	7·8516	8·8447	0·5456	−7·3527
2141	24 Sagittarii	6·7	23 30,35	3,664	7·8739	8·8614	0·5639	−7·4857
2142	Clypei Sob. s^2	6·7	23 55,80	+ 3,423	7·8569	8·8365	+0·5345	−7·2691
2143	44 Draconis χ	4·5	24 ,27	− 1,072*	8·3707	9·3472	−0·0304	+8·3505
2144	Sagittarii	7	25 2 ,87*	+ 3,536	7·8924	8·8466	+0·5485	−7·4136
2145	Clypei Sob. *q*	6	25 ,40*	3,329	7·8791	8·8294	0·5222	−7·1636
2146	Herculis	6	25 41,62*	2,491	7·9102	8·8588	0·3963	+7·5109
2147	1 Aquilæ *m*	5·6	25 56,97	+ 3,263	7·8816	8·8258	+0·5136	−7·0438
2148	23 Ursæ Min. δ	3	27 0,55	−19,168	9·1192	0·0459	−1·2826	+9·1184
2149	Sagittarii	7	27 5,76*	+ 3,534	7·9208	8·8461	+0·5482	−7·4409
2150	Sagittarii	6·7	27 43,47	3,591	7·9369	8·8521	0·5552	−7·5015
2151	Clypei Sob.	7	27 59,16*	3,483	7·9298	8·8409	0·5419	−7·4048
2152	Sagittarii	6	28 [illegible]	3,649	7·9505	8·8587	0·5621	−7·5536
2153	Herculis	6	28 ,06*	2,492	7·9538	8·8581	0·3966	+7·5541
2154	Sagittarii	6·7	28 45,32	3,582	7·9517	8·8509	0·5541	−7·5096
2155	Pavonis	5	28 45,56*	5,914	8·2958	9·1949	0·7719	−8·2532
2156	3 Lyræ α	1	31 10,77	2,010	8·0635	8·9271	0·3032	+7·8589
2157	26 Sagittarii	6	31 29,32	3,657	7·9997	8·8590	0·5631	−7·6087
2158	Pavonis θ	5	31 57,43*	5,938	8·3449	9·1977	0·7736	−8·3031
2159	Clypei Sob.	7	32 1,27*	3,416	7·9822	8·8341	0·5335	−7·3871
2160	2 Aquilæ *o*	5	32 57,85	3,282	7·9859	8·8250	0·5162	−7·1900
2161	3 Aquilæ *n*	5·6	34 15,79	3,264	8·0017	8·8238	0·5137	−7·1681
2162	Sagittarii *s*	6	34 22,28*	3,689	8·0416	8·8623	0·5669	−7·6703
2163	27 Sagittarii φ	4·5	35 2,40	3,745	8·0573	8·8695	0·5735	−7·7167
2164	28 Sagittarii	6	36 5,62	3,616	8·0539	8·8531	0·5583	−7·6379
2165	4 Aquilæ	5·6	36 15,18	3,024	8·0215	8·8187	0·4806	+6·5410
	Pavonis λ	5	36 28,24*	5,588	8·3575	9·1521	0·7473	−8·3049
			38 9,20	3,182	8·0449	8·8195	0·5026	−6·9783
			20,30	2,578	8·0734	8·8459	0·4113	+7·6155
			93	1,982	8·1619	8·9303	0·2972	+7·9654
				+ 1,985	+8·1619	−8·9299	+0·2977	+7·9649

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of $\frac{ann}{T}$ a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2136	−24° 13′ 26″,55*	+ 1″,993	−9·0782	−9·6106	+0·2995	+9·9978	2319	99	1531 C
2137	−14 58 47,55*	2,009	+9·2095	+8·4137	0·3030	9·9978	2323	101	732 M
2138	−71 33 19,24*	2,022	−9·9069	−8·9810	0·3058	9·9978			1525 C
2139	− 1 6 55,38	2,024	+9·6100	−7·2934	0·3061	9·9978	2325	104	
2140	−18 28 59,81*	2,026	+8·9868	−8·5058	0·3066	9·9978		102	733 M
2141	−24 8 54,48	2,052	−8·0414	−8·6221	0·3122	9·9977	2324	105	734 M
2142	−14 58 15,96*	2,089	+9·2095	−8·4301	0·3199	9·9976	2327	107	736 M
2143	+72 39 26,86	2,104	−9·0336	+9·0000	0·3231	9·9976	2337	119	
2144	−19 23 32,89*	2,214	−8·8976	−8·5643	0·3451	9·9973		112	737 M
2145	−11 6 4,41	2,233	−9·3744	−8·3315	0·3489	9·9973	2329	114	
2146	+23 29 45,25*	2,242	−9·8998	+8·6494	0·3507	9·9973		116	
2147	− 8 21 13,70	2,265	−9·4548	−8·2153	0·3550	9·9972	2330	115	
2148	+86 35 6,37	2,357	−1·0078	+9·0691	0·3723	9·9970	2395	178	
2149	−19 20 26,68*	2,364	−8·9965	−8·5918	0·3737	9·9970		121	738 M
2150	−21 31 39,97*	2,419	−8·6021	−8·6462	0·3836	9·9968	2332	125	739 M
2151	−17 22 0,02*	2,441	+9·0718	−8·5	0·3876	9·9968		128	741 M
2152	−23 38 22,51	2,457	−6·5682	−8·6	0·3905	9·9967	2333	129	740 M
2153	+23 28 26,57*	2,480	+9·8998	+8·6927	0·3944	9·9967		132	
2154	−21 10 55,69*	2,508	+8·6721	+8·6552	0·3994	9·9966	2335	131	742 M
2155	−65 1 24,76*	2,508	−9·8540	+9·0548	0·3994	9·9966			1533 C
2156	+38 37 50,34	2,718	+9·9814	+8·9277	0·4343	9·9960	2341	143	743 M
2157	−23 58 53,81	2,745	−7·7782	−8·7456	0·4386	9·9959	2338	141	1537 C
2158	−65 14 38,57*	2,786	−9·8555	−9·1011	0·4449	9·9958			1536 C
2159	−14 42 53,57*	2,791	+9·2253	−8·5487	0·4458	9·9957		144	
2160	− 9 12 20,81	2,873	+9·4314	−8·3604	0·4583	9·9955	2342	149	
2161	− 8 26 6,70	2,985	+9·4533	−8,3394	0·4750	9·9951	2343	157	
2162	−25 10 17,05*	2,995	−8·4472	−8·8031	0·4763	9·9951		155	1542 C
2163	−27 9 20,94	3,052	−8·8129	−8·8420	0·4846	9·9949	2344	159	744 M
2164	−22 33 38,06	3,143	+8·3424	−8·7794	0·4974	9·9946	2345	164	
2165	+ 1 53 44,16	3,157	+9·6693	+7·7169	0·4993	9·9945	2346	167	
2166	−62 22 2,22*	3,176	−9·8287	−9·1473	0·5019	9·9945			1541 C
2167									
2168									
2169									
2170									

No.	Star.		Mag.	Right Ascension, Jan. 1, 1830.	Ann. Prec.	Logarithms of *a*	*b*	*c*	*d*
				h m s	s				
2171	6 Lyræ	ζ^1	5	18 38 54,60	+2,060	+8·1518	−8·9178	+0·3138	+7·9356
2172	46 Draconis	C	5	39 19,88	1,162	8·3018	9·0629	0·0651	+8·2171
2173	111 Herculis	M	5·6	39 30,82	2,640	8·0801	8·8392	0·4217	+7·5701
2174	29 Sagittarii	r	6	39 34,73	3,560	8·0875	8·8458	0·5515	−7·6320
2175	30 Sagittarii		6	40 37,13	3,609	8·1041	8·8510	0·5574	−7·6841
2176	31 Sagittarii		6	41 55,13	3,602	8·1169	8·8498	0·5565	−7·6925
2177	10 Lyræ	β	3	43 47,79	2,211	8·1798	8·8932	0·3445	+7·9179
2178	33 Sagittarii		6	43 50,49	3,586	8·1345	8·8474	0·5546	−7·6996
2179	32 Sagittarii	ν^1	5	43 54,02	3,623	8·1393	8·8517	0·5591	−7·7302
2180	34 Sagittarii	σ	3	44 43,29	3,722	8·1597	8·8638	0·5707	−7·8092
2181	35 Sagittarii	ν^2	5	44 50,45	3,621	8·1482	8·8511	0·5588	−7·7378
2182	112 Herculis	N	5·6	45 0,24	2,559	8·1447	8·8460	0·4081	+7·7035
2183	Sagittarii		6	45 42,72	3,664	8·1581	8·8524	0·5604	−7·7567
2184	62 Serpentis		6	47 10,12	2,921	8·1370	8·8174	0·4655	+7·1849
2185	36 Sagittarii	ξ^1	6	47 13,83	3,567	8·1643	8·8441	0·5523	−7·7161
2186	113 Herculis	O	5	47 34,38	2,598	8·1722	8·8487	0·4028	+7·7538
2187	37 Sagittarii	ξ^2	5	47 34,94	3,578	8·1688	8·8453	0·5537	−7·7294
2188	63 Serpentis	θ^1	4·5	47 45,96	2,977	8·1407	8·8155	0·4737	+6·9834
2189	Serpentis	θ^2	5	47 47,38	2,977	8·1410	8·8155	0·4737	+6·9836
2190	9 Aquilæ	k	5·6	47 57,82	3,207	8·1439	8·8168	0·5061	−7·1673
2191	12 Lyræ	δ^2	5	48 33,09	2,095	8·2426	8·9100	0·3211	+8·0189
2192	47 Draconis	o	5	48 40,69	0,878	8·4383	9·1045	9·9437	+8·3722
2193	64 Serpentis		6	48 43,59	3,015	8·1486	8·8144	0·4793	+6·7559
2194	10 Aquilæ		6	50 58,55	3,751	8·1800	8·8256	0·4394	+7·5541
2195	Sagittarii		6·7	51 22,59*	3,619	8·2066	8·8486	0·5586	−7·7972
2196	38 Sagittarii	ζ	3·4	51 47,37	3,823	8·2372	8·8757	0·5824	−7·9377
2197	Sagittarii		7	51 50,17*	3,430	8·1908	8·8288	0·5352	−7·6180
2198	13 Aquilæ	ε	3·4	51 53,77	2,723	8·1899	8·8274	0·4350	+7·5985
2199	Sagittarii		6·7	52 3,18*	3,677	8·2194	8·8556	0·5655	−7·8465
2200	14 Lyræ	γ	3	52 34,54	2,240	8·2545	8·8862	0·3503	+7·9843
2201	12 Aquilæ	i	5·6	52 36,13	3,204	8·1833	8·8147	0·5057	−7·2003
2202	Sagittarii	S	6	53 29,77*	3,858	8·2563	8·8802	0·5864	−7·9718
	'8 Draconis		5	53				91	+8·3883
	' quilæ	g	6					93	−7·0294
								53	−7·8019

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2171	+37° 25′ 59″,06	+ 3″,386	+9·5750	+9·0116	+0·5297	+9·9937	2357	187	
2172	+55 22 15,99	3,423	0·0245	+9·1477	0·5344	9·9936	2360	195	
2173	+17 59 59,02	3,438	9·8555	+8·7244	0·5364	9·9935	2354	192	
2174	−20 30 30,69	3,444	8·7853	−8·7796	0·5371	9·9935	2352	185	747 M
2175	−22 20 50,01	3,534	8·4314	−8·8263	0·5482	9·9931	2353	196	748 M
2176	−22 6 38,90	3,646	8·5052	−8·8355	0·5618	9·9927	2359	202	749 M
2177	+33 10 16,55	3,807	9·9542	+9·0167	0·5806	9·9920	2369	215	
2178	−21 33 29,00	3,811	8·6335	−8·8442	0·5810	9·9920	2363	210	750 M
2179	−22 56 40,59	3,816	+8·2304	−8·8705	0·5816	9·9920	2364	211	751 M
2180	−26 29 54,86	3,886	−8·6910	−8·9371	0·5895	9·9917	2365	218	752 M
2181	−22 52 24,85	3,896	+8·2758	−8·8783	0·5907	9·9916	2366	219	753 M
2182	+21 13 38,70	3,911	9·8863	+8·8491	0·5922	9·9916	2371	224	
2183	−23 22 50,89*	3,971	7·9542	−8·8956	0·5989	9·9913		225	1561 C
2184	+ 6 24 38,82	4,096	9·7321	+8·3583	0·6124	9·9907	2374	232	
2185	−20 52 7,50	4,101	8·7559	−8·8627	0·6129	9·9907	2372	231	754 M
2186	+22 26 11,65	4,131	9·8887	+8·8957	0·6160	9·9906	2378	239	
2187	−21 19 14,51	4,131	8·6813	−8·8747	0·6161	9·9906	2373	233	755 M
2188	+ 3 59 29,08	4,147	9·6999	+8·1584	0·6177	9·9905	2376	236	
2189	+ 3 59 27,29	4,149	9·6998	+8·1586	0·6180	9·9905	2377	237	
2190	− 6 3 28,16	4,164	9·5172	−8·3409	0·6195	9·9904	2375	240	
2191	+36 41 17,01	4,214	9·9694	+9·0991	0·6247	9·9902	2383	247	
2192	+59 10 56,72	4,225	0·0261	+9·2578	0·6258	9·9901	2386	249	
2193	+ 2 19 14,03	4,229	9·6758	+7·9317	0·6263	9·9901	2379	245	
2194	+13 41 15,80	4,421	9·8149	+8·7177	0·6455	9·9892	2385	256	
2195	−22 55 35,84*	4,455	+8·3010	−8·9375	0·6489	9·9890		255	757 M
2196	−30 6 49,56	4,491	−9·0569	−9·0508	0·6523	9·9888	2384	257	758 M
2197	−15 30 50,64*	4,495	+9·1959	−8·7780	0·6527	9·9888		260	
2198	+14 50 41,37	4,500	+9·8261	+8·7598	0·6532	9·9888	2390	262	
2199	−25 4 14,45*	4,513	−8·3010	−8·9796	0·6545	9·9887		261	759 M
2200	+32 27 44,61	4,558	+9·9489	+9·0866	0·6587	9·9885	2392	266	
2201	− 5 58 8,64	4,560	+9·5198	−8·3740	0·6590	9·9885	2391	265	
2202	−31 17 10,07*	4,636	−9·1271	−9·0796	0·6661	9·9881			
2203	+57 35 29,00	4,667	+0·0228	+9·2936	0·6691	9·9879			
2204	− 3 56 10,27	4,675	9·5635	−8·2044	0·6698	9·9879			
2205	−21 58 48,93	+ 4,721	+8·5798	−8·9453	+0·6740	+9·9876			

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
2206	Cor. Aust. γ	5	18 54 54,81*	+ 4,057	+8·2986	−8·9107	+ 0·6082	−8·0810
2207	15 Aquilæ h	6	55 58,82	3,165	8·2086	8·8120	0·5004	−7·0811
2208	40 Sagittarii τ	4	56 19,02	+ 3,755	8·2637	8·8644	+ 0·5746	−7·9340
2209	52 Draconis υ	5	56 25,84	− 0,710	8·6997	9·2995	−9·8514	+8·6756
2210	Cor. Aust. δ	5	56 30,26*	+ 4,185	8·3320	8·9311	+ 0·6216	−8·1467
2211	Sagittarii	6·7	56 44,56*	3,611	8·2484	8·8456	0·5577	−7·8357
2212	Sagittarii	7	56 48,18*	3,783	8·2714	8·8681	0·5778	−7·9554
2213	16 Aquilæ λ	3	57 13,12	3,181	8·2185	8·8120	0·5030	−7·1698
2214	17 Aquilæ ζ	3	57 35,36	2,754	8·2319	8·8224	0·4400	+7·6038
2215	Sagittarii	7	57 51,00*	3,609	8·2638	8·8523	0·5645	−7·8884
2216	Cor. Aust. α	5	57 53,49*	4,085	8·3261	8·9143	0·6111	−8·1170
2217	Sagittarii	6·7	58 16,74*	3,527	8·2503	8·8355	0·5474	−7·7749
2218	Cor. Aust. β	5	58 19,39*	4,138	8·3381	8·9229	0·6168	−8·1425
2219	18 Aquilæ	5·6	58 57,85	2,821	8·2373	8·8172	0·4504	+7·5107
2220	41 Sagittarii π	4·5	59 38,93	3,571	8·2651	8·8397	0·5528	−7·8250
2221	Sagittarii	7	18 59 46,07*	3,550	8·2624	8·8362	0·5489	−7·7978
2222	19 Aquilæ	6	19 0 39,95	2,987	8·2138	8·8108	0·4679	+ 7·2494
2223	Sagittarii	7	2 14,77*	3,410	8·2673	8·8325	0·5327	−7·6762
2224	Sagittarii	6	2 18,11*	3,586	8·2855	8·8403	0·5546	−7·8578
2225	Sagittarii	6·7	2 45,05*	3,701	8·3029	8·8541	0·5683	−7·9476
2226	20 Aquilæ B	5	3 27,02	3,454	8·2651	8·8115	0·5124	−7·4201
2227	42 Sagittarii ψ	6	5 6,96	3,481	8·3162	8·8508	0·5660	−7·9508
2228	21 Aquilæ C	6	5 8,24	3,023	8·2720	8·8064	0·4801	+ 6·8177
2229	Sagittarii	6·7	5 10,97*	3,551	8·3128	8·8469	0·5625	−7·9299
2230	43 Sagittarii d	5	7 40,85	3514	8·3128	8·8297	0·5158	−7·8309
2231	1 Sagittæ	6	7 57,38	2579	8·3193	8·8342	0·4115	+ 7·8724
2232	20 Lyræ η	5	7 57,92	2038	8·3983	8·9132	0·3093	+ 8·1958
2233	22 Aquilæ	6	8 5,68	2,967	8·2918	8·8058	0·4722	+ 7·1996
2234	53 Draconis n	5	8 26,65	1,133	8·5515	9·0632	0·0544	+ 8·1730
2235	1 Vulpeculæ	5	8 54,53	2,576	8·3256	8·8341	0·4109	+ 7·8818
2236	Sagittarii	6	9 18,45*	3,439	8·3146	8·8205	0·5352	−7·7503
	25 Aquilæ ω^1	5	9 50,15	2,813	8·3096	8·8119	0·4492	+ 7·6016
	23 Aquilæ	6	9 52,59	3,051	8·3013	8·8034	0·4844	+ 6·4373
	ilæ	6	10 8,99	3,067	8·3030	8·8032	0·4867	+ 5·1124
	β^1	4	19 10 24,02*	+ 4,331	+8·4532	−8·9518	+ 0·6366	−8·3009

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2206	−37° 17′ 39″,58*	+ 4″,756	−9·3874	−9·1577	+0·6773	+9·9874		280	1573 C
2207	− 4 16 31,41	4,847	+9·5575	−8·2560	0·6855	9·9869	2399	289	
2208	−27 54 33,59	4,876	−8·8451	−9·0564	0·6880	9·9868	2397	292	761 M
2209	+71 4 8,85	4,885	+0·0245	+9·3628	0·6889	9·9867	2411	308	
2210	−40 44 55,90*	4,892	−9·4829	−9·2022	0·6894	9·9867		291	1574 C
2211	−22 44 56,53*	4,912	+8·3979	−8·9766	0·6912	9·9866		294	763 M
2212	−28 53 22,89*	4,917	−8·9445	−9·0738	0·6917	9·9865		293	762 M
2213	− 5 7 42,29	4,952	+9·5378	−8·3441	0·6948	9·9863	2401	298	
2214	+13 37 11,45	4,983	+9·8129	+8·7675	0·6975	9·9861	2405	303	
2215	−24 54 49,75*	5,006	−8·1461	−9·0220	0·6995	9·9860		301	764 M
2216	−38 9 28,01*	5,009	−9·4099	−9·1887	0·6998	9·9860		300	
2217	−19 33 ——*	5,042	+8·9294	−8·9252	0·7026	9·9858	2402		
2218	−39 35 58,45*	5,046	−9·4518	−9·2054	0·7029	9·9858		305	1579 C
2219	+10 49 1,09	5,100	+9·7832	+8·6790	0·7076	9·9855	2407	312	
2220	−21 17 4,29	5,158	8·7243	−8·9704	0·7125	9·9851	2406	315	765 M
2221	−20 3 44,90*	5,168	8·8865	−8·9467	0·7133	9·9851		316	766 M
2222	+ 5 48 51,25	5,244	9·7243	+8·4233	0·7196	9·9846	2410	321	
2223	−14 51 27,64*	5,377	9·2355	−8·8375	0·7305	9·9838		5	768 M
2224	−21 55 52,21*	5,382	+8·6335	−9·0012	0·7309	9·9838		4	767 M
2225	−26 10 57,74*	5,419	−8·5563	−9·0767	0·7340	9·9835		7	769 M
2226	− 8 12 53,93	5,478	+9·4669	−8·5917	0·7386	9·9831	2415	16	
2227	−25 32 24,54	5,618	−8·3424	−9·0823	0·7496	9·9822	2418	21	770 M
2228	+ 2 0 49,25	5,620	+9·6702	+7·9936	0·7497	9·9822	2419	24	
2229	−24 27 31,57*	5,624	−7·3010	−9·0651	0·7500	9·9822		22	771 M
2230	−19 14 47,77	5,833	+8·9777	−8·9820	0·7659	9·9808	2423	35	773 M
2231	+20 56 32,00	5,856	9·8733	+9·0189	0·7676	9·9806	2425	42	
2232	+38 51 31,38	5,857	9·9722	+9·2633	0·7677	9·9806	2427	45	
2233	+ 4 32 36,05	5,868	9·7067	+8·3653	0·7685	9·9805	2424	41	
2234	+56 34 19,55	5,897	0·0158	+9·3901	0·7706	9·9803	2433	52	
2235	+21 5 47,63	5,936	9·8745	+9·0278	0·7735	9·9801	2428	51	
2236	−15 49 20,56*	5,429*	9·1987	−8·9096	0·7347	9·9798		50	775 M
2237	+11 17 50,44	6,013	9·7875	+8·7692	0·7791	9·9795	2432	57	
2238	+ 0 47 0,79	6,017	9·6503	+7·6134	0·7794	9·9795	2430	56	
2239	+ 0 2 12,94	6,039	+9·6385	+6·2885	0·7810	9·9793	2431	60	
2240	−44 46 0,88*	+ 6,060	−9·5599	−9·3282	+0·7825	+9·9792		54	

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
2241	Sagittarii		6	19 10 26,49*	+ 3,601	+8·3397	−8·8381	+0·5564	−7·9264
2242	21 Lyræ	θ	5	10 27,24	2,079	8·4073	8·9056	0·3178	+8·1950
2243	54 Draconis	p	5	10 52,69	1,077	8·5761	9·0716	0·0321	+8·5017
2244	Sagittarii	β^2	4	10 55,65*	4,346	8·4589	8·9541	0·6380	−8·3092
2245	26 Aquilæ	f	6	11 28,18	3,196	8·3130	8·8046	0·5045	−7·3118
2246	Sagittarii		7	11 39,05*	3,519	8·3376	8·8281	0·5465	−7·8621
2247	28 Aquilæ	A	6	11 43,61	2,796	8·3220	8·8120	0·4466	+7·6423
2248	44 Sagittarii	ϱ^1	5	11 48,72	3,485	8·3350	8·8244	0·5422	−7·8286
2249	27 Aquilæ	d	6	11 49,09	3,095	8·3129	8·8023	0·4906	−6·6339
2250	45 Sagittarii	ϱ^2	5·6	11 56,42	3,496	8·3369	8·8255	0·5436	−7·8409
2251	46 Sagittarii	υ	5·6	11 59,09	3,439	8·3315	8·8199	0·5364	−7·7788
2252	Sagittarii	α	4·5	12 5,36*	4,170	8·4361	8·9238	0·6201	−8·2524
2253	57 Draconis	δ	3	12 29,10	0,023	8·7314	9·2165	8·3598	+8·6965
2254	1 Cygni	$\varkappa$	4	13 9,80	1,381	8·5417	9·0225	0·1402	+8·4444
2255	Sagittarii	p	6	13 53,72*	3,747	8·3796	8·8557	0·5737	−8·0539
2256	47 Sagittarii	χ^1	6	14 55,47	3,654	8·3727	8·8424	0·5627	−7·9959
2257	48 Sagittarii	χ^2	6·7	15 2,12*	3,651	8·3730	8·8420	0·5624	−7·9946
2258	49 Sagittarii	χ^3	6	15 12,14	3,639	8·3724	8·8403	0·5609	−7·9865
2259	3 Vulpeculæ		6	15 52,65	2,453	8·3820	8·8458	0·3898	+8·0229
2260	50 Sagittarii		6·7	16 10,65	3,581	8·3707	8·8326	0·5540	−7·9462
2261	Sagittarii	O	6	16 11,09*	3,799	8·4003	8·8622	0·5797	−8·1002
2262	Sagittarii		6	16 30,08*	3,415	8·3551	8·8151	0·5334	−7·7788
2263	2 Sagittæ		6	16 43,48	2,691	8·3590	8·8176	0·4300	+7·8153
2264	Sagittarii		7	16 45,32*	3,403	8·3555	8·8139	0·5319	−7·7651
2265	31 Aquilæ	b	5	16 51,45	2,871*	8·3502	8·8080	0·4580	+7·6531
2266	30 Aquilæ	δ	3·4	16 55,32	3,007	8·3421	8·7995	0·4781	+7·0285
2267	2 Cygni	a	5·6	17 25,00	2,361	8·4037	8·8581	0·3730	+8·0933
2268	32 Aquilæ	ν	5·6	17 49,24	3,068	8·3464	8·7984	0·4868	+4·4634
2269	4 Vulpeculæ		6	18 0,88	2,623	8·3731	8·8238	0·4187	+7·8960
2270	Sagittarii		6	18 11,60*	3,494	8·3720	8·8217	0·5455	−7·8778
2271	3 Cygni		6	18 23,52	+ 2,491	8·3909	8·8394	+0·3964	+8·0104
2272	60 Draconis	τ	4·5	18 45,93	− 1,057	8·8865	9·3328	−0·0240	+8·8672
2273	Sagittarii	Q	7	19 20,91*	+ 3,717	8·4059	8·8487	+0·5702	−8·0678
2274	58 Draconis	π	4	19 46,41*	0,326	8·7372	9·1775	9·5134	+8·6958
5	35 Aquilæ	c	6	19 20 24,77	+ 3,033	+8·3603	−8·7968	+0·4818	+6·8095

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2241	−22° 42′ 36″,02*	+ 6″,064	+8·5052	−9·0674	+0·7827	+9·9792		61	776 M
2242	+37 50 10,39	6,065	9·9675	+9·2686	0·7828	9·9791	2438	65	
2243	+57 24 52,79	6,100	+0·0158	+9·4090	0·7853	9·9789	2444	74	
2244	−45 6 29,57*	6,104	−9·5670	−9·3340	0·7856	9·9789		62	1589 C
2245	− 5 43 27,16	6,149	+9·5276	−8·4857	0·7888	9·9785	2435	66	
2246	−19 32 42,45*	6,164	8·9590	−9·0124	0·7899	9·9784		67	
2247	+12 4 4,64	6,171	9·7945	+8·8087	0·7903	9·9784	2441	73	
2248	−18 9 30,55	6,178	9·0645	−8·9826	0·7908	9·9783	2434	69	777 M
2249	− 1 12 0,32	6,178	9·6170	−7·8099	0·7909	9·9783	2439	72	
2250	−18 36 49,02	6,189	9·0294	−8·9937	0·7916	9·9782	2436	70	778 M
2251	−16 15 54,88	6,192	+9·1790	−8·9372	0·7918	9·9782	2437	71	779 M
2252	−40 55 26,86*	6,201	−9·4698	−9·3068	0·7925	9·9782		68	1590 C
2253	+67 21 44,61	6,234	+0·0187	+9·4580	0·7948	9.9779	2449	90	
2254	+53 3 28,07	6,290	+0·0086	+9·3994	0·7987	9·9775	2447	91	
2255	−28 11 8,39*	6,351	−8·8129	−9·1751	0·8028	9·9770		84	1593 C
2256	−24 49 45,16	6,436	7·6021	−9·1298	0·8086	9·9764	2445	93	780 M
2257	−24 44 8,39*	6,445	−7·3010	−9·1289	0·8093	9·9763		94	781 M
2258	−24 17 10,41	6,459	+7·8451	−9·1224	0·8102	9·9762	2446	96	1597 C
2259	+25 56 29,98	6,515	9·9053	+9·1529	0·8139	9·9757	2450	105	
2260	−22 6 13,96	6,540	+8·6628	−9·0891	0·8156	9·9756	2448	103	782 M
2261	−30 4 10,73*	6,540	−8·9912	−9·2135	0·8156	9·9755		102	1598 C
2262	−15 22 53,50*	6,567	+9·2227	−8·9390	0·8173	9·9753		107	783 M
2263	+16 36 51,73	6,585	+9·8363	+8·9729	0·8186	9·9752	2453	112	
2264	−14 52 48,46*	6,588	9·2455	−8·9264	0·8187	9·9752		110	
2265	+11 35 19,46	7,316*	9·7889	+8·8203	0·8643	9·9751	2452	114	
2266	+ 3 47 2,88	6,601	9·6803	+8·2041	0·8196	9·9751	2451	113	
2267	+29 17 45,79	6,642	9·9243	+9·2100	0·8223	9·9747	2456	117	
2268	+ 0 0 27,43	6,676	9·6375	+5·6395	0·8245	9·9745	2455	118	
[illegible]69	+19 28 22,03	6,692	9·8591	+9·0465	0·8255	9·9743	2458	120	
0	−18 41 40,96*	6,706	9·0374	−9·0304	0·8265	9·9742			1294 Z
71	+24 36 41,89	6,003*	9·8960	+9·1452	0·7784	9·9741	2459	123	
2272	+73 2 17,54	6,753	+0·0120	+9·5083	0·8295	9·9738	2472	141	
2273	−27 19 27,54*	6,801	−8·6628	−9·1925	0·8326	9·9734		126	786 M
2274	+65 23 17,42	6,836	+0·0154	+9·4915	0·8348	9·9731	2471	142	
2275	+ 1 36 43,91	+ 6,889	+9·6628	+7·9854	+0·8382	+9·9727	2463	135	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
2276	Sagittarii	6	19 20 48,17*	+ 3,566	+8·3939	−8·8281	+0·5522	−7·961
2277	6 Vulpeculæ *b*	4	21 37,30	2,502	8·4067	8·8361	0·3983	+8·0215
2278	36 Aquilæ *e*	6	21 45,18	3,137	8·3676	8·7963	0·4965	−7·1055
2279	8 Vulpeculæ	5·6	21 50,93	2,500	8·4082	8·8363	0·3979	+8·0247
2280	Sagittarii	7	22 3,77*	3,743	8·4239	8·8508	0·5732	−8·1002
2281	6 Cygni β^1	3	23 51,64	2,416	8·4301	8·8467	0·3830	+8·0960
2282	Sagittarii	7	24 17,45*	3,629	8·4197	8·8339	0·5598	−8·0327
2283	Vulpeculæ	6	24 39,01*	2,600	8·4101	8·8222	0·4150	+7·9559
2284	10 Cygni *i*	5	25 24,92	1,511	8·5898	8·9976	0·1792	+8·4826
2285	Sagittarii	6·7	25 25,25*	3,614	8·4234	8·8312	0·5579	−8·0271
6	Sagittarii	7	25 31,91*	3,549	8·4160	8·8232	0·5501	−7·9730
2287	51 Sagittarii h^1	6	25 41,91	3,650	8·4295	8·8358	0·5623	−8·0568
2288	37 Aquilæ K	5	25 44,83	3,308	8·3947	8·8007	0·5196	−7·6723
2289	38 Aquilæ μ	4·5	25 46,71	2,915	8·3902	8·7960	0·4646	+7·4777
2290	52 Sagittarii h^2	4·5	26 21,05	3,654	8·4333	8·8359	0·5628	−8·0633
2291	Sagittarii	7	26 30,87*	3,501	8·4154	8·8171	0·5442	−7·9328
2292	9 Vulpeculæ	5·6	27 6,30	2,631	8·4187	8·8172	0·4201	+7·9402
2293	Sagittarii	7	27 10,92*	3,486	8·4169	8·8150	0·5423	−7·9207
2294	39 Aquilæ $\varkappa$	4	27 44,53	3,229	8·3999	8·7949	0·5091	−7·5096
2295	41 Aquilæ *i*	5	27 55,52	3,104	8·3973	8·7913	0·4919	−6·8580
2296	9 Cygni	5·6	28 5,46	2,379	8·4565	8·8496	0·3763	+8·1433
2297	42 Aquilæ P	6	28 45,83	3,177	8·4027	8·7922	0·5020	−7·3446
2298	4 Sagittæ ε	6	29 35,75	2,712	8·4222	8·8072	0·4332	+7·8649
2299	53 Sagittarii	7	29 35,92	3,613	8·4435	8·8285	0·5579	−8·0495
2300	Sagittarii	6·7	29 53,62	3,613	8·4449	8·8282	0·5578	−8·0509
2301	44 Aquilæ σ	5	30 48,61	2,960	8·4121	8·7906	0·4713	+7·3540
2302	54 Sagittarii e^1	5·6	30 58,69	3,437	8·4298	8·8074	0·5362	−7·8876
2303	13 Cygni θ	4	31 52,42	1,611	8·6056	8·9785	0·2070	+8·4888
2304	45 Aquilæ	6	31 57,63	3,090	8·4157	8·7880	0·4899	−6·6605
2305	5 Sagittæ α	4	32 29,55	+ 2,678	8·4389	8·8084	+0·4277	+7·9201
2306	61 Draconis σ	5	32 39,26	− 0,110*	8·8718	9·2405	−9·~~0414~~ 2873	+8·8430
2307	12 Cygni φ	4	32 39,84	+ 2,365	8·4802	8·8489	+0·3739	+8·1761
2308	55 Sagittarii e^2	5	32 47,20	3,432	8·4376	8·8056	0·5356	−7·8913
2309	6 Sagittæ β	5	33 24,64	2,691	8·4416	8·8064	0·4299	+7·9098
2310	Sagittarii	6	19 33 51,02*	+ 3,416	+8·4408	−8·8033	+0·5335	−7·877

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2276	−21° 39′ 24″,85*	+ 6″,921	+8·7559	−9·1053	+0·8402	+9·9724		138	788 M
2277	+24 19 37,34	6,988	9·8927	+9·1572	0·8444	9·9719	2467	148	
2278	− 3 8 3,66	6,999	9·5821	−8·2809	0·8450	9·9718	2465	145	
2279	+24 25 27,68*	7,007	+9·8932	+9·1600	0·8455	9·9717	2470	150	
2280	−28 19 33,57*	7,024	−8·7924	−9·2209	0·8466	9·9715			1299 Z
2281	+27 36 31,64	7,171	+9·9128	+9·2196	0·8556	9·9703	2473	161	
2282	−24 13 4,81*	7,206	8·1139	−9·1688	0·8577	9·9699		159	790 M
2283	+20 34 26,49*	7,236	9·8657	+9·1033	0·8595	9·9697		163	
2284	+51 22 16,40	7,298	9·9996	+9·4540	0·8632	9·9691	2481	175	
2285	−23 40 21,44*	7,299	8·3617	−9·1650	0·8632	9·9691		165	
2286	−21 8 12,32*	7,308	+8·8388	−9·1188	0·8638	9·9690		166	
2287	−25 4 55,78	7,321	−7·3010	−9·1899	0·8646	9·9689	2475	168	791 M
2288	−10 55 23,23	7,325	+9·3979	−8·8404	0·8648	9·9689	2477	170	
2289	+ 7 1 33,27	7,328	+9·7364	+8·6505	0·8650	9·9688	2479	171	
2290	−25 14 58,16	7,374	−7·6021	−9·1957	0·8677	9·9684	2478	174	792 M
2291	−19 13 11,49*	7,387	+9·0170	−9·0840	0·8685	9·9683		176	793 M
2292	+19 24 33,34	7,436	9·8561	+9·0909	0·8713	9·9678	2483	184	
2293	−18 35 59,36*	7,442	9·0607	−9·0734	0·8717	9·9678		180	794 M
2294	− 7 23 49,94	7,487	9·4928	−8·6821	0·8743	9·9674	2482	187	
2295	− 1 39 18,53	7,502	9·6096	−8·0339	0·8752	9·9672	2484	188	
2296	+29 5 40,33*	7,515	9·9191	+9·2609	0·8760	9·9671	2487	192	
2297	− 5 1 6,03	7,570	9·5453	−8·5190	0·8791	9·9666	2485	196	
2298	+16 5 17,14	7,637	9·8280	+9·0236	0·8829	9·9659	2489	203	
2299	−23 48 14,88	7,638	8·3802	−9·1870	0·8830	9·9659	2486	199	795 M
2300	−23 48 27,82	7,661	8·3802	−9·1884	0·8843	9·9657	2488	201	796 M
2301	+ 5 1 4,82	7,735	9·7101	+8·5284	0·8885	9·9650	2492	215	
2302	−16 40 25,40	7,749	9·1790	−9·0450	0·8892	9·9648	2490	214	797 M
2303	+49 49 53,64	7,821	9·9930	+9·4745	0·8933	9·9641	2498	223	
2304	− 1 0 24,55	7,828	9·6212	−7·8366	0·8937	9·9641	2493	219	
2305	+17 37 50,26	7,871	9·8407	+9·0753	0·8960	9·9636	2495	224	
2306	+69 22 16,78	5,764*	0·0056	+9·5660	0·7607	9·9635	2505	236	
2307	+29 46 4,89	7,885	9·9206	+9·2907	0·8968	9·9635	2497	226	
2308	−16 30 46,96	7,895	9·1903	−9·0490	0·8973	9·9634	2494	222	798 M
2309	+17 5 21,19	7,945	9·8357	+9·0663	0·9001	9·9629	2499	229	
2310	−15 51 16,94*	+ 7,980	+9·2201	−9·0365	+0·9020	+9·9625		230	799 M

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					a	*b*	*c*	*d*
			h m s	s				
2311	47 Aquilæ χ	6	19 34 33,80	+ 2,820	+8·4358	−8·7945	+0·4503	+7·7330
2312	Sagittarii	6·7	34 37,79*	3,812	8·4957	8·8541	0·5812	−8·2113
2313	56 Sagittarii f	6	36 26,38	3,516	8·4626	8·8117	0·5460	−8·0000
2314	10 Vulpeculæ d	6	36 38,19	2,490	8·4800	8·8282	0·3962	+8·1119
2315	Vulpeculæ	6	36 58,18*	2,454	8·4865	8·8330	0·3898	+8·1398
2316	15 Cygni	5	38 8,54	2,154	8·5396	8·8802	0·3332	+8·3186
2317	50 Aquilæ γ	3	38 10,59	2,849	8·4493	8·7897	0·4547	+7·6977
2318	Sagittarii	6·7	38 29,43*	3,373	8·4570	8·7958	0·5281	−7·8441
2319	Sagittarii	7	39 22,07*	3,342	8·4581	8·7926	0·5240	−7·8013
2320	Aquilæ	6	39 39,08*	3,310	8·4569	8·7900	0·5198	−7·7485
2321	18 Cygni δ	3·4	39 39,45	1,868	8·5969	8·9299	0·2714	+8·4442
2322	7 Sagittæ δ	4	39 48,28	2,672	8·4712	8·8035	0·4268	+7·9640
2323	17 Cygni χ	5	39 58,09	2,271	8·5278	8·8593	0·3563	+8·2678
2324	52 Aquilæ π	6	40 41,08	2,824	8·4613	8·7892	0·4509	+7·7572
2325	Pavonis ε	4	40 45,38*	7,109	8·9955	9·3231	0·8518	−8·9769
2326	51 Aquilæ D	5·6	41 24,80	3,307	8·4639	8·7883	0·5194	−7·7517
2327	8 Sagittæ ζ	5	41 25,51	2,659	8·4792	8·8035	0·4247	+7·9857
2328	57 Sagittarii	5·6	42 18,84	3,494	8·4847	8·8047	0·5433	−8·0075
2329	53 Aquilæ α	1·2	42 29,19	2,924*	8·4645	8·7837	0·4659	+7·6305
2330	54 Aquilæ o	5·6	42 52,55	2,856	8·4680	8·7852	0·4557	+7·7075
2331	Sagittarii E	4·5	43 30,80*	4,162	8·5949	8·9090	0·6193	−8·4229
2332	12 Vulpeculæ e	5·6	43 44,27	2,578	8·4981	8·8112	0·4113	+8·0752
2333	55 Aquilæ η	4	43 48,13	3,056	8·4650	8·7778	0·4851	+6·4680
2334	56 Aquilæ E	6	44 54,50	3,258	8·4746	8·7821	0·5130	−7·6693
2335	58 Sagittarii ω	6	45 24,84	3,671	8·5203	8·8254	0·5648	−8·1735
2336	59 Aquilæ ξ	5	46 0,16	2,899	8·4777	8·7800	0·4623	+7·6229
2337	58 Aquilæ	6	46 2,30	3,071	8·4736	8·7757	0·4873	−5·9293
2338	13 Vulpeculæ	5	46 13,90	2,545	8·5124	8·8136	0·4057	+8·1156
2339	59 Sagittarii b	5	46 30,24	3,693	8·5279	8·8277	0·5673	−8·1939
2340	60 Aquilæ β	3·4	46 57,66	2,943	8·4794	8·7772	0·4688	+7·4979
2341	61 Aquilæ φ	6	48 10,92	2,837	8·4897	8·7816	0·4529	+7·7694
2342	10 Sagittæ	6	48 17,74	2,723	8·4996	8·7911	0·4350	+7·9450
2343	61 Sagittarii g	6	48 18,44	3,408	8·4991	8·7905	0·5324	−7·9376
2344	60 Sagittarii a	5·6	48 35,14	3,665	8·5319	8·8220	0·5640	−8·1837
2345	Sagittarii	7	19 49 29,00*	+ 3,564	+8·5213	−8·8072	+0·5519	−8·1072

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2311	+11° 26′ 4″,16	+ 8″,037	+9·7832	+8·9004	+0·9051	+9·9619	2501	242	
2312	−31 18 5,20*	8,042	−9·0212	−9·3191	0·9054	9·9619		237	1609 C
2313	−20 9 41,91	8,187	+8·9638	−9·1486	0·9131	9·9604	2504	249	800 M
2314	+25 22 20,04	8,203	9·8938	+9·2440	0·9140	9·9602	2508	256	
2315	+26 45 ——*	8,229	9·9020	+9·2668	0·9154	9·9599	2510		
2316	+36 56 59,84	8,323	9·9513	+9·3973	0·9203	9·9589	2514	269	
2317	+10 12 21,03	8,326	9·7694	+8·8669	0·9204	9·9589	2511	264	
2318	−14 6 49,48*	8,351	9·2989	−9·0069	0·9217	9·9586		265	802 M
2319	−12 43 58,76*	8,420	9·3483	−8·9666	0·9253	9·9578		271	803 M
2320	−11 17 5,51	8,443	9·3962	−8·9161	0·9265	9·9576	2515	273	
2321	+44 43 14,15	8,443	9·9759	+9·4719	0·9265	9·9576	2520	280	
2322	+18 7 16,02	8,455	9·8414	+9·1180	0·9271	9·9574	2516	279	
2323	+33 20 14,39	8,468	9·9350	+9·3658	0·9278	9·9573	2517	282	
2324	+11 24 0,52	8,525	+9·7810	+8·9246	0·9307	9·9567	2518	283	
2325	−73 20 26,18*	8,530	−9·8710	−9·6104	0·9310	9·9566			1615 C
2326	−11 11 8,02	8,582	+9·3997	−8·9194	0·9336	9·9560	2519	286	
2327	+18 43 23,30	8,583	9·8457	+9·1382	0·9336	9·9560	2523	289	
2328	−19 28 1,48	8,653	9·0334	−9·1580	0·9372	9·9552	2522	291	
2329	+ 8 25 37,19	8,667	9·7490	+8·8019	0·9379	9·9550	2524	294	804 M
2330	+ 9 59 48,63	8,698	+9·7657	+8·8770	0·9394	9·9547	2525	298	
2331	−42 18 20,40*	8,748	−9·4548	−9·4680	0·9419	9·9541		297	1624 C
2332	+22 11 4,59	8,765	+9·8704	+9·2178	0·9428	9·9539	2527	305	
2333	+ 0 34 37,22	8,771	9·6464	+7·6441	0·9430	9·9538	2526	303	
2334	− 9 0 24,32	8,857	+9·4609	−8·8400	0·9473	9·9528	2530	309	
2335	−26 44 29,34	8,897	−8·1761	−9·3005	0·9492	9·9523	2528	311	805 M
2336	+ 8 1 46,39	8,943	+9·7443	+8·7947	0·9515	9·9518	2536	319	
2337	− 0 9 49,06	8,946	9·6345	−7·1054	0·9516	9·9518	2535	318	
2338	+23 38 33,65	8,961	+9·8791	+9·2536	0·9524	9·9516	2537	323	
2339	−27 36 39,37	8,982	−8·4624	−9·3175	0·9534	9·9513	2533	322	806 M
2340	+ 5 59 21,55	8,478*	+9·7118	+8·6716	0·9283	9·9509	2538	324	
2341	+10 58 44,59	9,113	9·7752	+8·9375	0·9597	9·9497	2543	332	
2342	+16 11 32,05	9,122	9·8228	+9·1035	0·9601	9·9496	2544	334	
2343	−15 55 54,82	9,123	+9·2380	−9·0967	0·9601	9·9496	2540	329	808 M
2344	−26 38 50,35	9,145	−8·0414	−9·3110	0·9612	9·9493	2539	331	807 M
2345	−22 39 50,63*	+ 9,215	+8·7634	−9·2484	+0·9645	+9·9484			1324 Z

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					a	*b*	*c*	*d*
			h m s	s				
2346	22 Cygni	5	19 49 46,94	+ 2,140	+8·5912	−8·8758	+0·3305	+8·3810
2347	11 Sagittæ	6	50 2,09	2,721	8·5063	8·7897	0·4347	+7·9556
2348	12 Sagittæ γ	4·5	51 11,42	2,660	8·5171	8·7951	0·4249	+8·0306
2349	Sagittarii	6	51 17,02*	3,574	8·5296	8·8072	0·5532	−8·1249
2350	14 Vulpeculæ f	5	51 52,38	2,576	8·5299	8·8048	0·4109	+8·1154
2351	Pavonis δ	4	51 57,10*	5,794	8·8963	9·1709	0·7630	−8·8590
2352	62 Sagittarii c	4·5	52 11,42	3,700	8·5510	8·8244	0·5682	−8·2250
2353	13 Sagittæ χ	6	52 22,65	2,706	8·5164	8·7890	0·4324	+7·9838
2354	63 Sagittarii	6	52 26,38	3,364	8·5104	8·7827	0·5269	−7·8971
2355	Sagittarii L^1	5	53 31,21*	3,818	8·5750	8·8424	0·5818	−8·3055
2356	Sagittarii	6·7	53 39,37*	3,568	8·5376	8·8043	0·5525	−8·1306
2357	15 Vulpeculæ g	5	54 5,63	2,462	8·5541	8·8190	0·3913	+8·2155
2358	Vulpeculæ	5	54 32,47*	2,538	8·5449	8·8077	0·4044	+8·1598
2359	16 Vulpeculæ h	6	54 48,93	2,535	8·5463	8·8078	0·4039	+8·1635
2360	62 Aquilæ	6	55 37,62	3,092	8·5083	8·7662	0·4902	−6·8199
2361	64 Sagittarii Y	6	55 41,66	3,318	8·5181	8·7758	0·5209	−7·8386
2362	14 Sagittæ y	6	55 42,80	2,742	8·5247	8·7822	0·4381	+7·9533
2363	63 Aquilæ τ	5·6	55 49,89	2,929	8·5120	8·7690	0·4666	+7·5857
2364	65 Sagittarii	6	55 58,28	3,341	8·5209	8·7773	0·5239	−7·8774
2365	15 Sagittæ z	6	56 27,40	2,686*	8·5296	8·7838	0·4292	+7·9859
2366	16 Sagittæ η	6	57 36,73	2,656	8·5406	8·7897	0·4241	+8·0643
2367	Capricorni	7	58 52,98*	3,390	8·5353	8·7788	0·5302	−7·9625
2368	Capricorni	7	59 13,33*	3,284	8·5277	8·7697	0·5164	−7·7903
2369	64 Aquilæ	6	59 14,95	3,092	8·5205	8·7623	0·4902	−6·8269
2370	17 Vulpeculæ i	5·6	19 59 35,41	2,573	8·5579	8·7983	0·4105	+8·1521
2371	67 Draconis ρ	5	20 2 0,33	0,304	8·9445	9·1744	9·4824	+8·9098
2372	65 Aquilæ θ	3·4	2 31,79	3,095	8·5312	8·7588	0·4906	−6·8931
2373	1 Capricorni ξ^1	6·7	2 32,19	3,331	8·5422	8·7697	0·5226	−7·8906
2374	66 Draconis	5	2 49,07	0,952	8·8534	9·0797	9·9785	+8·7973
2375	2 Capricorni ξ^2	6	2 56,92	3,335	8·5439	8·7696	0·5231	−7·8995
2376	28 Cygni b^2	5	3 6,49	2,223	8·6269	8·8519	0·3470	+8·3997
2377	18 Vulpeculæ	6	3 27,70	2,499	8·5819	8·8054	0·3977	+8·2300
2378	Sagittarii R	6	4 37,46*	3,747*	8·5899	8·8085	0·5736	−8·2547
2379	19 Vulpeculæ	6	4 41,07	2,503	8·5854	8·8037	0·3984	+8·2320
2380	20 Vulpeculæ k	6	20 4 52,25	+ 2,511	+8·5847	−8·8022	+0·3999	+8·2262

No.	Declination Jan. 1, 1830.	Am. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2346	+38° 2′ 26″,74	+ 9″,238	+9·9489	+9·4533	+0·9656	+9·9481	2547	342	
2347	+16 20 22,47	9,257	9·8235	+9·1137	0·9665	9·9479	2545	340	
2348	+19 2 20,51	9,347	9·8445	+9·1822	0·9707	9·9467	2550	352	
2349	−23 11 44,93*	9,354	8·7076	−9·2644	0·9710	9·9467		351	1638 C
2350	+22 38 40,55	9,400	+9·8698	+9·2566	0·9731	9·9461	2553	358	
2351	−66 35 43,90*	9,406	−9·8048	−9·6342	0·9734	9·9460			1635 C
2352	−28 10 22,71	9,424	−8·5315	−9·3464	0·9742	9·9457	2549	355	809 M
2353	+17 3 32,64	9,439	+9·8287	+9·1404	0·9749	9·9456	2555	361	
2354	−14 5 58,61	9,443	+9·3139	−9·0599	0·9751	9·9455	2551	360	810 M
2355	−32 31 29,28*	9,527	−9·0294	−9·4075	0·9789	9·9444		366	1643 C
2356	−23 3 55,13*	9,537	+8·7324	−9·2705	0·9794	9·9443		369	811 M
2357	+27 17 23,89	9,571	9·8971	+9·3403	0·9809	9·9438	2558	375	
2358	+24 19 59,36*	9,605	9·8791	+9·2955	0·9825	9·9433	2559		
2359	+24 28 5,23	9,626	9·8797	+9·2987	0·9835	9·9431	2561	378	
2360	− 1 10 27,33	9,688	9·6191	−7·9959	0·9862	9·9422	2562	383	
2361	−12 4 16,88	9,693	9·3820	−9·0049	0·9865	9·9421	2560	382	814 M
2362	+15 33 43,42	9,695	9·8149	+9·1132	0·9865	9·9421	2565	385	
2363	+ 6 48 19,56	9,704	9·7284	+8·7587	0·9869	9·9420	2564	386	
2364	−13 8 10,79	9,715	9·3502	−9·0420	0·9874	9·9418	2563	384	815 M
2365	+16 37 3,18	9,752	9·8235	+9·1435	0·9891	9·9413	2568	393	
2366	+19 30 36,72	9,840	9·8451	+9·2148	0·9930	9·9401	2569	400	
2367	−15 30 38,61*	9,937	9·2695	−9·1225	0·9972	9·9387		404	817 M
2368	−10 32 50,98*	9,962	9·4281	−8·9590	0·9984	9·9384		406	
2369	− 1 9 37,04	9,964	9·6191	−8·0029	0·9984	9·9383	2571	408	818 M
2370	+23 7 48,88	9,990	9·8692	+9·2918	0·9996	9·9380	2572	412	
2371	+67 23 21,12	10,173	9·9832	+9·6708	1·0074	9·9353	2587	21	
2372	− 1 19 6,26	10,212	9·6170	−8·0690	1·0091	9·9347	2576	10	
2373	−12 53 23,29	10,213	9·3636	−9·0556	1·0091	9·9347	2575	7	821 M
2374	+61 30 10,37	10,234	9·9836	+9·6520	1·0100	9·9344	2586	25	
2375	−13 6 25,74	10,244	9·3579	−9·0641	1·0105	9·9343	2577	16	822 M
2376	+36 20 41,30	10,256	9·9340	+9·4818	1·0110	9·9341	2582	22	
2377	+26 24 24,66	10,282	+9·8871	+9·3582	1·0121	9·9337	2583	24	
2378	−27 31 48,65*	11,129*	−8·0414	−9·3786	1·0465	9·9324		29	1654 C
2379	+26 18 31,58	10,374	+9·8854	+9·3606	1·0159	9·9323	2585	34	
2380	+25 58 36,38	+10,388	+9·8837	+9·3561	+1·0165	+9·9321	2588	37	

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					a	*b*	*c*	*d*
			h m s	s				
2381	67 Aquilæ ϱ	5	20 6 24,52	+ 2,770	+8·5577	−8·7686	+0·4424	+7·9618
2382	3 Capricorni	6·7	6 57,33	3,327	8·5559	8·7646	0·5221	−7·9030
2383	21 Vulpeculæ *l*	5·6	7 15,41	2,460	8·6007	8·8080	0·3909	+8·2749
2384	4 Capricorni	6	8 1,73	3,533	8·5820	8·7861	0·5482	−8·1617
2385	22 Vulpeculæ *m*	5·6	8 9,35	2,587	8·5845	8·7881	0·4128	+8·1763
2386	5 Capricorni α^1	4	8 13,02	3,330	8·5601	8·7634	0·5224	−7·9130
2387	31 Cygni o^2	4	8 16,45	1,886	8·7090	8·9120	0·2755	+8·5676
2388	6 Capricorni α^2	3	8 36,98	3,331	8·5614	8·7630	0·5225	−7·9155
2389	23 Vulpeculæ *n*	4·5	8 43,28	2,484	8·6016	8·8028	0·3952	+8·2630
2390	18 Sagittæ	6	8 51,15	2,632	8·5808	8·7814	0·4203	+8·1367
2391	33 Cygni	4·5	9 25,58	1,392	8·8054	9·0036	0·1435	+8·7242
2392	24 Vulpeculæ *o*	5	9 30,66	2,562	8·5925	8·7903	0·4086	+8·2044
2393	7 Capricorni σ	5·6	9 34,62	3,471	8·5789	8·7765	0·5404	−8·1054
2394	32 Cygni	4·5	10 13,11	1,852	8·7226	8·9175	0·2676	+8·5881
2395	Capricorni β^1	7	11 12,82	3,376	8·5734	8·7642	0·5283	−7·9951
2396	8 Capricorni ν	5	11 13,73	3,333	8·5695	8·7602	0·5229	−7·9309
2397	9 Capricorni β^2	3·4	11 27,04	3,375	8·5741	8·7639	0·5283	−7·9958
2398	Pavonis α	2	12 8,92*	4,811	8·8275	9·0144	+0·6822	−8·7524
2399	1 Cephei $\varkappa$	4·5	14 24,15	1,882*	9·2213	9·3989	−0·2746	+9·2104
2400	25 Vulpeculæ	6	14 44,87	2,575	8·6069	8·7830	+0·4108	+8·2147
2401	37 Cygni γ	3	16 7,30	2,148	8·6858	8·8563	0·3321	+8·4913
2402	39 Cygni *h*	5	17 4,24	2,387	8·6444	8·8110	0·3779	+8·3643
2403	10 Capricorni π	5	17 34,91	3,443	8·5996	8·7642	0·5369	−8·1069
2404	11 Capricorni ϱ	5	19 8,90	3,432	8·6029	8·7611	0·5356	−8·1014
2405	Capricorni	6·7	19 17,58*	3,424	8·6023	8·7600	0·5346	−8·0921
2406	Capricorni *f*	6	19 32,22*	3,532	8·6170	8·7737	0·5480	−8·2080
2407	Capricorni o^1	7	20 7,51	3,448	8·6075	8·7618	0·5375	−8·1233
2408	12 Capricorni o^2	6	20 8,71	3,448	8·6076	8·7618	0·5375	−8·1232
2409	69 Aquilæ G	5	20 45,43	3,134	8·5853	8·7371	0·4961	−7·8639
2410	1 Delphini	6	22 9,18	2,870	8·5954	8·7415	0·4578	+7·8492
2411	41 Cygni *i*	4·5	22 26,94	2,446	8·6507	8·7956	0·3884	+8·3471
2412	Capricorni	6	22 44,05*	3,586	8·6344	8·7781	0·5546	−8·2685
2413	Capricorni *u*	6	23 4,40*	3,268	8·5979	8·7404	0·5142	−7·8556
2414	Capricorni	7	24 43,09*	3,343	8·6087	8·7445	0·5241	−8·0013
2415	45 Cygni ω^2	5	20 24 47,05	+ 1,854	+8·7729	−8·9085	+0·2682	+8·6466

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2381	+14° 41′ 16″,29	+10″,503	+9·8035	+9·1234	+1·0213	+9·9303	2590	48	
2382	−12 50 54,46	10,543	9·3692	−9·0681	1·0230	9·9297	2589	49	823 M
2383	+28 11 2,04	10,566	9·8943	+9·3962	1·0239	9·9293	2594	52	
2384	−22 19 34,71	10,623	8·8976	−9·3039	1·0263	9·9284	2591	53	
2385	+22 59 43,31	10,632	9·8639	+9·3165	1·0266	9·9282	2596	57	
2386	−13 1 31,41	10,637	9·3655	−9·0778	1·0268	9·9282	2593	54	824 M
2387	+46 13 50,24	10,641	9·9600	+9·5837	1·0270	9·9281	2603	62	
2388	−13 3 49,43	10,667	9·3655	−9·0802	1·0280	9·9277	2595	58	825 M
2389	+27 17 56,06	10,674	9·8887	+9·3879	1·0283	9·9276	2602	64	
2390	+21 4 59,07	10,684	9·8506	+9·2827	1·0287	9·9274	2600	65	
2391	+56 2 58,85*	10,727	9·9745	+9·6473	1·0305	9·9267	2611	74	
2392	+24 9 12,73	10,733	9·8704	+9·3407	1·0307	9·9266	2606	70	
2393	−19 38 28,37	10,738	9·0969	−9·2555	1·0309	9·9265	2597	67	826 M
2394	+47 11 43,43	10,785	9·9605	+9·5964	1·0328	9·9258	2612	78	
2395	−15 18 40,51	10,858	9·2945	−9·1555	1·0358	9·9246	2607	79	827 M
2396	−13 17 11,58	10,859	9·3598	−9·0952	1·0358	9·9245	2608	81	828 M
2397	−15 18 35,09	10,876	+9·2945	−9·1562	1·0365	9·9243	2609	83	829 M
2398	−57 16 8,66*	10,927	−9·6721	−9·6615	1·0385	9·9234			1657 C
2399	+77 11 40,70	11,092	+9·9581	+9·7321	1·0450	9·9206	2632	126	
2400	+23 54 34,06	11,117	9·8657	+9·3518	1·0460	9·9202	2622	108	
2401	+39 43 2,14	11,216	9·9365	+9·5534	1·0499	9·9184	2624	124	
2402	+31 38 47,42	11,285	9·9047	+9·4704	1·0525	9·9172	2625	132	
2403	−18 45 39,45	11,322	9·1644	−9·2593	1·0539	9·9165	2623	131	834 M
2404	−18 22 4,30	11,435	9·1847	−9·2547	1·0582	9·9145	2626	142	835 M
2405	−17 59 23,26*	11,445	9·2014	−9·2464	1·0586	9·9143		145	837 M
2406	−22 56 51,39*	11,463	8·9031	−9·3483	1·0593	9·9140		146	1669 C
2407	−19 8 25,99*	11,505	9·1523	−9·2747	1·0609	9·9132	2630	153	838 M
2408	−19 8 12,67	11,506	9·1523	−9·2746	1·0609	9·9132	2631	154	839 M
2409	− 3 26 35,84	11,550	9·5843	−8·5392	1·0626	9·9124	2633	157	
2410	+10 20 1,96	11,650	9·7582	+9·0181	1·0663	9·9105	2635	168	
2411	+29 48 25,03	11,671	9·8927	+9·4616	1·0671	9·9101	2637	173	
2412	−25 30 35,76*	11,691	8·6232	−9·4000	1·0679	9·9097		170	840 M
2413	−10 25 38,16*	11,715	9·4472	−9·0244	1·0687	9·9092		174	842 M
2414	−14 17 55,10*	11,831	9·3464	−9·1637	1·0730	9·9070		187	843 M
2415	+48 23 1,46	+11,836	+9·9499	+9·6449	+1·0732	+9·9069	2645	192	

No.	Star.	Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
2416	2 Delphini ε	4	20 25 5,15	+ 2,864	+8·6036	−8·7380	+0·4569	+7·8736
2417	Indi α	3	25 34,86*	4,257	8·7707	8·9031	0·6291	−8·6409
2418	Capricorni	7	25 54,21*	3,399	8·6177	8·7489	0·5313	−8·0862
2419	3 Delphini η	6	25 54,27	2,831	8·6084	8·7396	0·4519	+7·9420
2420	46 Cygni ω^3	5	26 3,94	1,848	8·7785	8·9090	0·2667	+8·6539
2421	Pavonis υ	5	26 13,70*	5,640	9·0133	9·1432	0·7513	−8·9784
2422	2 Cephei θ	5	26 42,02	1,016	8·9346	9·0626	0·0069	+8·8822
2423	4 Delphini ζ	5	27 21,18	2,800	8·6150	8·7405	0·4471	+8·0016
2424	13 Capricorni τ^1	6	27 48,69	3,369	8·6195	8·7431	0·5275	−8·0526
2425	70 Aquilæ H	5·6	27 52,36	3,126	8·6037	8·7271	0·4950	−7·3411
2426	Pavonis β	3	29 32,36*	5,546	9·0119	9·1287	0·7439	−8·9753
2427	71 Aquilæ I	5	29 33,10	3,099	8·6074	8·7242	0·4913	−7·0775
2428	6 Delphini β	4	29 34,30	2,803	8·6204	8·7371	0·4476	+8·0045
2429	5 Delphini ι	5·6	29 40,78	2,866	8·6153	8·7316	0·4572	+7·8876
2430	14 Capricorni τ^2	6	29 45,47	3,363	8·6239	8·7399	0·5267	−8·0520
2431	27 Vulpeculæ *p*	5·6	29 49,42	2,554	8·6538	8·7695	0·4071	+8·2937
2432	15 Capricorni υ	5	30 21,52	3,427	8·6329	8·7465	0·5349	−8·1395
2433	1 Aquarii	5·6	30 42,04	3,070	8·6101	8·7224	0·4871	−5·8708
2434	8 Delphini θ	4·5	30 42,10	2,829	8·6209	8·7332	0·4517	+7·9638
2435	7 Delphini κ	5·6	30 51,94	2,891	8·6165	8·7281	0·4611	+7·8338
2436	29 Vulpeculæ *s*	5·6	30 55,28	2,671	8·6393	8·7508	0·4266	+8·1859
2437	Capricorni	6·7	30 59,08*	3,385	8·6295	8·7407	0·5296	−8·0885
2438	28 Vulpeculæ	5·6	31 7,09	2,608	8·6488	8·7594	0·4164	+8·2499
2439	9 Delphini α	3·4	31 44,49	2,779	8·6283	8·7365	0·4439	+8·0503
2440	Cygni	6	31 59,52*	2,466	8·6746	8·7818	0·3920	+8·3702
2441	Capricorni	7	32 58,85*	3,423	8·6392	8·7426	0·5345	−8·1454
2442	10 Delphini	6	33 18,43	2,807	8·6295	8·7316	0·4482	+8·0127
2443	11 Delphini δ	5	35 31,31	2,800	8·6357	8·7291	0·4471	+8·0334
2444	50 Cygni α	1	35 37,89	2,040	8·7700	8·8631	0·3096	+8·6170
2445	16 Capricorni ψ	4·5	36 1,44	3,572	8·6687	8·7602	0·5529	−8·3086
2446	17 Capricorni	6	36 17,79	3,490	8·6567	8·7472	0·5428	−8·2326
2447	30 Vulpeculæ	6	37 30,98	2,594	8·6679	8·7536	0·4139	+8·2884
2448	Capricorni	7	38 21,02*	3,515	8·6657	8·7483	0·5459	−8·2658
2449	Capricorni	6	38 25,80*	3,512	8·6655	8·7477	0·5456	−8·2636
2450	2 Aquarii ε	4·5	20 38 28,01	+ 3,252	+8·6353	−8·7174	+0·5121	−7·8797

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2416	+10° 43′ 57″,41	+11″,857	+9·7604	+9·0421	+1·0740	+9·9065	2642	192	
2417	−47 52 32,84*	11,892	−9·4857	−9·6435	1·0753	9·9058			1676 C
2418	−17 6 8,52*	11,915	+9·2529	−9·2426	1·0761	9·9053		194	844 M
2419	+12 27 4,04	11,915	9·7760	+9·1078	1·0761	9·9053	2644	196	
2420	+48 38 58,54	11,926	+9·9494	+9·6500	1·0765	9·9051	2647	203	
2421	−67 20 55,60*	11,938	−9·7589	−9·7401	1·0769	9·9049			1674 C
2422	+62 25 25,21	11,971	+9·9600	+9·7238	1·0781	9·9042	2651	211	
2423	+14 5 43,85	12,017	9·7896	+9·1644	1·0798	9·9033	2648	207	
2424	−15 43 40,83	12,049	9·3032	−9·2121	1·0809	9·9026	2646	209	846 M
2425	− 3 7 53,08	12,053	+9·5899	−8·5165	1·0811	9·9025	2649	212	
2426	−66 48 16,22*	12,169	−9·7474	−9·7467	1·0853	9·9001			1677 C
2427	− 1 41 29,23	12,170	+9·6138	−8·2534	1·0853	9·9001	2654	224	
2428	+14 0 43,63	12,171	9·7875	+9·1674	1·0853	9·9001	2656	227	
2429	+10 47 23,70	12,179	9·7597	+9·0560	1·0856	9·8999	2658	228	
2430	−15 32 33,22	12,184	9·3118	−9·2119	1·0858	9·8998	2652	225	848 M
2431	+25 52 37,12	12,189	9·8669	+9·4239	1·0860	9·8997	2660	232	
2432	−18 43 43,73	12,226	9·1959	−9·2920	1·0873	9·8989	2657	233	849 M
2433	− 0 6 15,66	12,250	9·6365	−7·0469	1·0881	9·8984	2661	237	
2434	+12 43 29,19	12,250	9·7760	+9·1291	1·0881	9·8984	2662	239	
2435	+ 9 29 38,79	12,261	9·7466	+9·0039	1·0885	9·8982	2663	242	
2436	+20 36 38,50	12,265	9·8351	+9·3333	1·0887	9·8981	2664	245	
2437	−16 43 21,85*	12,269	9·2742	−9·2459	1·0888	9·8980		240	850 M
2438	+23 31 28,59	12,279	9·8531	+9·3883	1·0891	9·8978	2668	248	
2439	+15 19 9,42	12,322	9·7973	+9·2106	1·0907	9·8969	2670	254	
2440	+29 44 38,32*	12,339	9·8854	+9·4849	1·0913	9·8965		258	
2441	−18 42 40,54*	12,407	9·2014	−9·2979	1·0937	9·8951			1379 Z
2442	+13 59 4,48	12,429	9·7860	+9·1757	1·0944	9·8946	2672	264	
2443	+14 28 16,85	12,581	9·7889	+9·1955	1·0997	9·8912	2678	281	
2444	+44 40 37,75	12,588	9·9325	+9·6450	1·1000	9·8911	2679	285	852 M
2445	−25 52 27,09	12,615	8·7076	−9·4388	1·1009	9·8905	2676	282	851 M
2446	−22 7 29,37	12,633	9·0414	−9·3755	1·1015	9·8900	2677	284	
2447	+24 40 4,59	12,716	9·8555	+9·4229	1·1044	9·8882	2680	294	
2448	−23 27 51,08*	12,772	8·9590	−9·4044	1·1063	9·8869		296	
2449	−23 20 57,62*	12,778	8·9685	−9·4026	1·1065	9·8867		298	1687 C
2450	−10 6 36,40	+12,780	+9·4654	−9·0490	+1·1065	+9·8867	2681	299	853 M

No.	Star.	M. g.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
					a	*b*	*c*	*d*
			h m s	s				
2451	3 Aquarii *k*	4	20 38 45,36	+ 3,170	+8·6313	−8·7122	+0·5010	−7·6239
2452	12 Delphini *γ*	4	38 47,15	2,783	8·6453	8·7262	0·4444	+8·0727
2453	Capricorni	6	39 11,33*	3,578	8·6780	8·7573	0·5536	−8·3260
2454	Microscopi *α*	4·5	39 19,09*	3,771	8·7139	8·7927	0·5764	−8·4660
2455	53 Cygni *ε*	3	39 19,73	2,393	8·7085	8·7873	0·3789	+8·4486
2456	13 Delphini *λ*	5·6	39 23,07	2,971	8·6325	8·7111	0·4729	+7·6052
2457	Capricorni	6·7	39 41,38*	3,414	8·6547	8·7321	0·5333	−8·1597
2458	54 Cygni *λ*	5	40 46,75	2,330	8·7251	8·7983	0·3673	+8·4929
2459	Cephei *χ*	5	41 7,89*	1,500	8·8981	8·9699	0·1761	+8·8216
2460	Capricorni	6	41 10,15*	3,595	8·6860	8·7577	0·5557	−8·3479
2461	Capricorni *p*	6·7	41 18,63*	3,306	8·6465	8·7176	0·5193	−8·0040
2462	Capricorni	6·7	41 22,60*	3,607	8·6886	8·7595	0·5571	−8·3584
2463	Indi *β*	4	41 27,66*	4,768	8·9245	8·9950	0·6783	−8·8579
2464	18 Capricorni *ω*	5·6	41 39,88	3,599	8·6880	8·7578	0·5561	−8·3531
2465	3 Cephei *η*	3·4	41 48,03	1,220	8·9529	9·0222	0·0864	+8·8955
2466	4 Aquarii	6	42 24,61	3,179	8·6400	8·7069	0·5023	−7·6772
2467	Aquarii	7	42 41,94*	3,285	8·6477	8·7135	0·5165	−7·9680
2468	Capricorni *m*	6	43 1,76*	3,527	8·6794	8·7440	0·5475	−8·2957
2469	5 Aquarii	6	43 9,00	3,177	8·6415	8·7056	0·5020	−7·6705
2470	6 Aquarii *μ*	4·5	43 28,59	3,239	8·6459	8·7087	0·5104	−7·8686
2471	Aquarii	6	43 46,88*	3,286	8·6503	8·7120	0·5167	−7·9756
2472	Octantis *α*	5	43 48,61*	7,674	9·3100	9·3715	0·8850	−9·2998
2473	31 Vulpeculæ *r*	6	44 50,57	2,568	8·6908	8·7484	0·4095	+8·3398
2474	19 Capricorni	6	45 10,62	3,405	8·6666	8·7229	0·5321	−8·1695
2475	Capricorni	7	46 40,14*	3,575	8·6965	8·7471	0·5533	−8·3526
2476	Equulei	6	47 9,34*	3,000	8·6486	8·6974	0·4772	+7·4800
2477	57 Cygni	5	47 13,79	2,115	8·7890	8·8375	0·3252	+8·6288
2478	32 Vulpeculæ *q*	4·5	47 18,64	2,552	8·6997	8·7479	0·4068	+8·3629
2479	16 Delphini *χ*	6	47 31,41	2,858	8·6579	8·7053	0·4560	+7·9731
2480	17 Delphini *μ*	6	47 33,39	2,837	8·6599	8·7072	0·4528	+8·0146
2481	7 Aquarii	6	47 42,44	3,249	8·6559	8·7026	0·5118	−7·9100
2482	Capricorni	7	48 8,88*	3,365	8·6684	8·7134	0·5270	−8·1263
2483	Equulei	6	49 17,42*	3,007	8·6530	8·6936	0·4781	+7·4442
2484	20 Capricorni	6	49 56,07	3,421	8·6796	8·7178	0·5341	−8·2071
2485	18 Delphini *ν*	6	20 50 14,28	+ 2,891	+8·6610	−8·6980	+0·4611	+7·9087

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2451	− 5° 38′ 34″,72	+12″,800	+9·5515	−8·7979	+1·1072	+9·8862	2684	301	
2452	+15 31 5,94	12,802	9·7952	+9·2327	1·1073	9·8862	2686	304	
2453	−26 24 4,11*	12,829	+8·6721	−9·4542	1·1082	9·8855		305	1690 C
2454	−34 24 3,55*	12,837	−8·8808	−9·5586	1·1085	9·8853		307	1689 C
2455	+33 20 22,94	12,838	+9·8949	+9·5466	1·1085	9·8853	2689	313	
2456	+ 5 23 18,49	12,842	9·7024	+8·7794	1·1086	9·8852	2688	309	
2457	−18 39 22,42*	12,862	9·2201	−9·3124	1·1093	9·8847		310	854 M
2458	+35 52 19,21	12,935	9·9031	+9·5777	1·1118	9·8830	2692	323	
2459	+56 58 27,54*	12,959	9·9430	+9·7341	1·1126	9·8824		332	6 H
2460	−27 19 33,75*	12,961	8·5563	−9·4726	1·1126	9·8824			1692 C
2461	−13 10 2,50*	12,971	9·3962	−9·1686	1·1130	9·8822		325	
2462	−27 52 16,12*	12,975	+8·4472	−9·4809	1·1131	9·8821		322	
2463	−59 5 1,30*	12,981	−9·6345	−9·7448	1·1133	9·8819			1691 C
2464	−27 32 48,86	12,994	+8·5185	−9·4769	1·1138	9·8816	2690	328	855 M
2465	+61 10 50,29	13,813*	9·9425	+9·7547	1·1403	9·8814	2698	338	
2466	− 6 15 17,45	13,044	9·5416	−8·8507	1·1154	9·8804	2694	336	
2467	−12 4 9,01*	13,063	9·4232	−9·1344	1·1160	9·8799		337	
2468	−24 24 46,68*	13,085	8·9138	−9·4311	1·1168	9·8794		339	1696 C
2469	− 6 8 13,53	13,093	9·5453	−8·8441	1·1170	9·8792	2695	342	
2470	− 9 36 48,06	13,114	9·4800	−9·0385	1·1178	9·8786	2696	345	857 M
2471	−12 12 38,26*	13,135	+9·4216	−9·1418	1·1184	9·8781		351	858 M
2472	−77 38 31,16*	13,137	−9·8096	−9·8063	1·1185	9·8781			1686 C
2473	+26 27 57,64	13,205	+9·8597	+9·4678	1·1207	9·8764	2703	365	
2474	−18 33 38,66	13,227	9·2355	−9·3223	1·1214	9·8758	2700	362	859 M
2475	−26 56 13,99*	13,324	8·6902	−9·4788	1·1246	9·8733		370	860 M
2476	+ 3 53 21,05*	13,356	9·6848	+8·6551	1·1257	9·8725		376	
2477	+43 44 50,13	13,361	9·9186	+9·6637	1·1258	9·8724	2710	383	
2478	+27 25 1,48	13,366	9·8621	+9·4873	1·1260	9·8722	2709	379	
2479	+11 55 26,91	13,380	9·7627	+9·1397	1·1265	9·8719	2707	381	
2480	+13 4 50,34	13,382	9·7716	+9·1793	1·1265	9·8718	2708	382	
2481	−10 20 29,25	13,392	9·4669	−9·0790	1·1268	9·8716	2706	380	
2482	−16 40 45,69*	13,421	9·3075	−9·2837	1·1278	9·8708		386	861 M
2483	+ 3 32 43,91*	13,495	9·6803	+8·6195	1·1302	9·8689		393	
2484	−19 41 13,37	13,536	9·2068	−9·3570	1·1315	9·8677	2713	395	862 M
2485	+10 11 20,19	+13,556	+9·7459	+9·0779	+1·1321	+9·8672	2716	399	

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					a	*b*	*c*	*d*
			h m s	s				
2486	1 Equulei ε	5·6	20 50 34,40	+ 3,005	+8·6557	−8·6914	+0·4779	+7·4592
2487	8 Aquarii z^1	6	50 34,51	3,308	8·6673	8·7031	0·5195	−8·0419
2488	33 Vulpeculæ x	5·6	50 40,24	2,678	8·6868	8·7222	0·4277	+8·2542
2489	58 Cygni ν	4	50 49,90	2,229	8·7744	8·8092	0·3481	+8·5871
2490	21 Capricorni	6	51 17,04	3,390	8·6785	8·7116	0·5302	−8·1728
2491	11 Aquarii r	6	51 36,42	3,160	8·6588	8·6906	0·4997	−7·6308
2492	Capricorni n	6	51 38,50*	3,578	8·7092	8·7409	0·5537	−8·3742
2493	Cephei K	5	51 ——*	1,605	8·9123	8·9436	0·2054	+8·8320
2494	9 Aquarii z^2	6	51 45,69	3,315	8·6707	8·7019	0·5205	−8·0600
2495	2 Equulei λ	6	53 49,62	+ 2,957	8·6642	8·6876	+0·4709	+7·7192
2496	76 Draconis	5	54 25,35	− 3,725	9·5133	9·5345	−0·5711	+9·5089
2497	22 Capricorni η	5	54 43,21	+ 3,430	8·6916	8·7116	+0·5353	−8·2364
2498	12 Aquarii	5·6	55 4,53	+ 3,178	8·6667	8·6853	+0·5021	−7·7198
2499	Cephei h	5	55 51,63*	− 2,335	9·4218	9·4375	−0·3683	+9·4150
2500	3 Equulei ζ	6	56 6,27	+ 2,987	8·6674	8·6822	+0·4752	+7·5930
2501	23 Capricorni θ	5·6	56 22,60	3,378	8·6880	8·7017	0·5287	−8·1757
2502	Capricorni	7	56 59,75	3,433	8·6970	8·7084	0·5356	−8·2485
2503	4 Equulei	6	57 0,74	2,979	8·6695	8·6808	0·4741	+7·6344
2504	24 Capricorni A	5·6	57 9,99	3,528	8·7131	8·7239	0·5475	−8·3499
2505	62 Cygni ξ	4	58 44,37	2,174	8·8087	8·8134	0·3373	+8·6445
2506	25 Capricorni χ^1	5·6	58 48,70	3,449	8·7036	8·7081	0·5377	−8·2747
2507	27 Capricorni χ^3	6	20 59 49,19	3,435	8·7036	8·7043	0·5360	−8·2625
2508	13 Aquarii ν	5	21 0 19,10	3,270	8·6837	8·6825	0·5145	−8·0034
2509	63 Cygni f^2	5	0 44,52	2,059	8·8407	8·8379	0·3137	+8·7046
2510	5 Equulei γ	5	2 4,28	2,912	8·6832	8·6754	0·4642	+7·8987
2511	3 Piscis Aust.	6	3 12,03	3,497*	8·7347	8·7225	0·5437	−8·4106
2512	64 Cygni ζ	3	5 41,72	2,546	8·7444	8·7228	0·4059	+8·4372
2513	Aquarii	7	5 51,95*	3,194	8·6883	8·6660	0·5043	−7·8201
2514	28 Capricorni φ	6	5 56,48	3,428	8·7152	8·6927	0·5350	−8·2764
2515	7 Equulei δ	4·5	6 11,97	2,917	8·6906	8·6671	0·4650	+7·9002
2516	29 Capricorni s	5	6 20,02	3,329	8·7019	8·6779	0·5223	−8·1389
2517	8 Equulei α	4·5	7 19,29	2,995	8·6882	8·6604	0·4764	+7·5877
2518	4 Piscis Aust.	5	7 36,11	3,658	8·7631	8·7343	0·5632	−8·4978
2519	65 Cygni τ	5	8 0,05	2,373	8·7876	8·7572	0·3753	+8·5703
2520	30 Capricorni r	6	21 8 24,90	+ 3,376	+8·7123	−8·6804	+0·5284	−8·2181

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2486	+ 3° 38′ 50″,22	+13″,578	+9·6812	+8·6344	+1·1328	+9·8666	2717	404	
2487	−13 42 18,34	13,578	9·3945	−9·2055	1·1328	9·8666	2715	402	
248	+21 40 26,84	13,584	9·8293	+9·3985	1·1330	9·8665	2719	406	
248	+40 31 4,19	13,594	9·9069	+9·6441	1·1334	9·8662	2724	410	
249	−18 11 13,69	13,623	9·2625	−9·3267	1·1343	9·8654	2718	409	863 M
241	− 5 22 46,16	13,644	9·5599	−8·8050	1·1349	9·8648	2723	414	
242	−27 32 19,31*	13,646	8·6628	−9·4980	1·1350	9·8648		411	1703 C
243	+56 14 10,91*	13,652	9·9294	+9·7530	1·1352	9·8646	2727		
244	−14 11 15,21	13,654	9·3838	−9·2226	1·1353	9·8645	2722	415	864 M
245	+ 6 31 4,48	13,785	9·7101	+8·8925	1·1394	9·8609	2728	431	
246	+81 53 36,54	13,823	9·8910	+9·8343	1·1406	9·8598	2754	463	
247	−20 31 12,81	13,842	9·1818	−9·3840	1·1412	9·8593	2729	436	866 M
248	− 6 29 21,69	13,864	9·5428	−8·8931	1·1419	9·8586	2730	441	
249	+79 54 ——*	13,914	9·8949	+9·8347	1·1435	9·8572	2749		
250	+ 4 49 59,22	13,929	9·6928	+8·7676	1·1439	9·8567	2734	449	
2501	−17 54 10,26	13,946	9·2833	−9·3302	1·1445	9·8562	2733	451	867 M
2502	−20 51 13,23*	13,985	9·1790	−9·3951	1·1457	9·8551	2736	454	
2503	+ 5 17 32,41	13,986	9·6972	+8·8086	1·1457	9·8551	2739	458	
2504	−25 40 39,01	13,996	8·9085	−9·4808	1·1460	9·8548	2737	456	868 M
2505	+43 15 12,02	14,094	9·9047	+9·6829	1·1490	9·8519	2746	472	
2506	−21 52 9,17	14,099	9·1399	−9·4183	1·1492	9·8517	2741	469	869 M
2507	−21 13 54,54	14,161	9·1732	−9·4080	1·1511	9·8498	2743	478	870 M
2508	−12 3 11,44	14,192	9·4425	−9·1699	1·1520	9·8489	2747	485	871 M
2509	+46 58 2,73	14,218	9·9090	+9·7148	1·1528	9·8481	2750	491	
2510	+ 9 27 7,59	14,300	9·7348	+9·0688	1·1553	9·8455	2751	6	
2511	−28 18 20,66	14,369	8·7076	−9·5314	1·1574	9·8433	2753	12	
2512	+29 32 3,24	14,520	9·8561	+9·5528	1·1620	9·8384	2760	35	
2513	− 7 47 6,50*	14,530	9·5276	−8·9921	1·1623	9·8381		34	
2514	−21 21 1,65	14,535	9·1847	−9·4216	1·1624	9·8379	2758	33	874 M
2515	+ 9 19 27,49	14,550	9·7316	+9·0705	1·1629	9·8374	2761	38	
2516	−15 52 14,65	14,558	9·3598	−9·2981	1·1631	9·8371	2759	37	
2517	+ 4 33 2,73	14,618	+9·6875	+8·7624	1·1649	9·8352	2764	47	
2518	−32 52 28,10	14,634	−7·7782	−9·5981	1·1654	9·8346	2762	46	
2519	+37 19 31,68	15,158*	+9·8802	+9·6468	1·1806	9·8338	2767	54	
2520	−18 41 25,49	+14,683	+9·2856	−9·3706	+1·1668	+9·8329	2765	52	875 M

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					a	*b*	*c*	*d*
			h m s	s				
2521	31 Capricorni	6·7	21 8 44,77	+ 3,366	+8·7116	−8·6784	+0·5271	−8·055
2522	Aquarii	7	9 47,71*	3,342	8·7103	8·6732	0·5240	−8·735
2523	67 Cygni σ	4·5	10 43,56	2,348	8·8004	8·7597	0·3706	+8·563
2524	66 Cygni υ	4·5	10 54,85	2,458	8·7755	8·7341	0·3905	+8·552
2525	16 Aquarii s^2	6	12 8,86	3,151	8·6971	8·6510	0·4984	−7·606
2526	Pavonis γ	3	12 16,60*	5,086	9·0883	9·0417	0·7063	−9·045
2527	9 Equulei η	6	12 39,80	2,964	8·6990	8·6509	0·4719	+7·761
2528	32 Capricorni ι	5	12 46,43	3,350	8·7170	8·6685	0·5250	−8·194
2529	Aquarii	7	12 50,83*	3,226	8·7031	8·6543	0·5086	−7·946
2530	Capricorni	6	13 14,69*	3,452	8·7343	8·6840	0·5381	−8·333
2531	17 Aquarii y^1	6	13 49,38	3,225	8·7048	8·6523	0·5085	−7·946
2532	Capricorni	7	14 2,43*	3,498	8·7445	8·6911	0·5439	−8·385
2533	Indi γ	5	14 4,86*	4,350	8·9441	8·8906	0·6385	−8·859
2534	1 Pegasi e	4	14 13,39	2,762	8·7233	8·6692	0·4412	+8·2377
2535	10 Equulei β	5·6	14 27,06	2,974	8·7016	8·6467	0·4733	+7·7273
2536	5 Cephei α	3	14 30,24	1,416	9·0257	8·9706	0·1512	+8·9711
2537	33 Capricorni	6	14 30,26	3,417	8·7307	8·6756	0·5337	−8·2961
2538	18 Aquarii A	6	14 53,54	3,281	8·7122	8·6556	0·5160	−8·0836
2539	6 Cephei	5	15 49,29	1,257	9·0619	9·0018	0·0993	+9·0161
2540	19 Aquarii y^2	6	16 4,13	3,230	8·7091	8·6480	0·5092	−7·9683
2541	Pegasi	6	16 18,88*	2,687	8·7400	8·6779	0·4292	+8·3415
2542	21 Aquarii	6	16 24,84	3,133	8·7036	8·6412	0·4960	−7·5764
2543	34 Capricorni ζ	4	16 56,52	3,441	8·7397	8·6752	0·5367	−8·3340
2544	Pegasi	6	17 1,44*	2,653	8·7477	8·6829	0·4237	+8·3808
2545	35 Capricorni	6	17 35,47	3,418	8·7369	8·6700	0·5338	−8·3091
2546	36 Capricorni b	5·6	19 0,67	3,426	8·7411	8·6687	0·5348	−8·3247
2547	Capricorni	7	20 26,32*	3,378	8·7356	8·6577	0·5286	−8·2672
2548	Capricorni	7	20 35,72*	3,484	8·7552	8·6767	0·5421	−8·3960
2549	Aquarii	7	21 21,01*	3,297	8·7254	8·6440	0·5181	−8·1393
2550	2 Pegasi f	5·6	22 15,15	2,710	8·7474	8·6625	0·4329	+8·3374
2551	22 Aquarii β	3	22 36,15	3,162	8·7149	8·6287	0·4999	−7·7561
2552	Capricorni	6	22 44,35*	3,469	8·7564	8·6696	0·5402	−8·3877
2553	71 Cygni g	5	23 9,99	2,200	8·8697	8·7813	0·3423	+8·7252
2554	Capricorni	6·7	24 59,46*	3,280	8·7295	8·6340	0.5159	−8·1202
2555	37 Capricorni t^1	7	21 25 17,62	+ 3,386	+8·7458	−8·6491	+0·5297	−8·2968

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2521	−18° 10′ 6″,41	+14″,703	+9·3010	−9·3593	+1·1674	+9·8323	2766	56	
2522	−16 53 17,51*	14,765	9·3404	−9·3304	1·1692	9·8301		66	877 M
2523	+38 41 4,99	14,820	9·8808	+9·6648	1·1708	9·8282	2769	74	
2524	+34 11 15,65	14,831	9·8675	+9·6189	1·1712	9·8278	2770	76	
2525	− 5 16 29,91	14,903	+9·5694	−8·8348	1·1733	9·8252	2771	81	
2526	−66 7 40,72*	14,911	−9·6385	−9·8327	1·1735	9·8249			1724 C
2527	+ 6 38 24,34	14,933	+9·7059	+8·9353	1·1742	9·8241	2774	85	
2528	−17 33 4,48	14,940	9·3284	−9·3518	1·1743	9·8239	2772	84	879 M
2529	−10 2 ——*	14,944	9·4928	−9·1139	1·1745	9·8237	2773		
2530	−23 23 19,46*	14,967	9·1271	−9·4719	1·1751	9·8229		87	1730 C
2531	−10 2 14,94	15,001	9·4928	−9·1154	1·1761	9·8216	2776	92	
2532	−25 55 22,39*	15,013	+9·0000	−9·5152	1·1765	9·8212		93	
2533	−55 23 4,06*	15,016	−9·4742	−9·7900	1·1765	9·8211			1731 C
2534	+19 4 56,54	15,024	+9·7966	+9·3893	1·1768	9·8208	2780	100	
2535	+ 6 5 26,10	15,037	9·7007	+8·9009	1·1772	9·8203	2779	102	
2536	+61 51 57,88	15,040	9·8965	+9·8207	1·1773	9·8202	2786	105	
2537	−21 34 6,06	15,040	9·2068	−9·4407	1·1773	9·8202	2778	99	881 M
2538	−13 36 3,51	15,063	9·4265	−9·2473	1·1779	9·8193	2781	104	882 M
2539	+64 9 8,30	15,116	9·8921	+9·8317	1·1794	9·8173	2788	117	
2540	−10 27 57,89	15,130	9·4886	−9·1371	1·1798	9·8168	2782	110	
2541	+23 32 52,01*	15,144	9·8195	+9·4798	1·1803	9·8163		114	
2542	− 4 16 43,21	15,150	9·5843	−8·7512	1·1804	9·8160	2784	113	
2543	−23 8 27,02	15,180	9·1523	−9·4737	1·1813	9·8149	2785	118	883 M
2544	+25 26 50,94*	15,185	9·8274	+9·5126	1·1814	9·8147		120	
2545	−21 55 30,03	15,217	9·2041	−9·4525	1·1823	9·8135	2787	122	
2546	−22 32 25,26	15,298	9·1847	−9·4663	1·1846	9·8103	2790	132	884 M
2547	−19 53 3,05*	15,378	9·2788	−9·4166	1·1869	9·8071		145	886 M
2548	−25 55 53,63*	15,387	9·0414	−9·5260	1·1872	9·8067		148	
2549	−15 1 47,57*	15,429	9·4031	−9·3002	1·1883	9·8050		154	887 M
2550	+22 53 54,56	15,479	9·8109	+9·4779	1·1898	9·8029	2798	160	
2551	− 6 18 46,12	15,499	9·5575	−8·9296	1·1903	9·8021	2797	162	889 M
2552	−25 20 6,42*	15,506	9·0828	−9·5199	1·1905	9·8018		161	1740 C
2553	+45 47 38,63	15,530	9·8785	+9·7446	1·1912	9·8008	2799	168	
2554	−14 14 2,20*	15,630	9·4265	−9·2827	1·1940	9·7965		177	
2555	−20 50 8,26	+15,647	+9·2648	−9·4435	+1·1944	+9·7958	2800	180	891 M

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					a	*b*	*c*	*d*
			h m s	s				
2556	38 Capricorni t^2	7	21 25 20,60	+ 3,388	+8·7463	−8·6495	+0·5300	−8·3006
2557	Capricorni	7	25 31,50*	3,443	8·7567	8·6592	0·5369	−8·3695
2558	8 Piscis Aust.	5·6	26 18,53	3,490	8·7677	8·6671	0·5428	−8·4237
2559	8 Cephei β	3	26 25,07	0,811	9·1802	9·0792	9·9089	+9·1526
2560	39 Capricorni ε	5	27 33,04	3,372	8·7474	8·6420	0·5279	−8·2861
2561	73 Cygni ϱ	5	27 35,25	2,248	8·8692	8·7636	0·3518	+8·7175
2562	23 Aquarii ξ	5	28 41,83	3,192	8·7264	8·6165	0·5041	−7·9017
2563	3 Pegasi	6	29 14,91	2,984	8·7246	8·6125	0·4748	+7·7337
2564	5 Pegasi	5·6	29 47,68	2,795	8·7463	8·6321	0·4463	+8·2491
2565	4 Pegasi T^1	5	30 0,74	2,997	8·7251	8·6100	0·4766	+7·6662
2566	40 Capricorni γ	4	30 39,62	3,322	8·7447	8·6271	0·5214	−8·2211
2567	25 Aquarii d	5·6	30 55,82	3,047	8·7249	8·6062	0·4839	+7·1383
2568	42 Capricorni d^1	6	32 17,65	3,280	8·7413	8·6173	0·5159	−8·1486
2569	41 Capricorni	5	32 19,35	3,426	8·7661	8·6419	0·5348	−8·3758
2570	43 Capricorni $\varkappa$	5	33 8,96	3,353	8·7539	8·6265	0·5254	−8·2803
2571	9 Cephei	5	33 20,53	1,610	9·0470	8·9188	0·2067	+8·9901
2572	26 Aquarii	6	33 29,90	3,061	8·7284	8·5996	0·4858	+6·6837
2573	Capricorni	6	33 41,79*	3,364	8·7568	8·6272	0·5269	−8·2989
2574	7 Pegasi T^2	5·6	33 44,77	3,000	8·7303	8·6005	0·4771	+7·6629
2575	44 Capricorni d^2	6	33 47,16	3,284	8·7442	8·6143	0·5164	−8·1620
2576	45 Capricorni d^3	6	34 43,27	3,288	8·7462	8·6126	0·5169	−8·1738
2577	9 Piscis Aust. ι	4·5	34 47,71	3,598	8·8106	8·6766	0·5560	−8·5558
2578	8 Pegasi ε	2·3	35 50,10	2,942	8·7371	8·5991	0·4687	+7·9363
2579	46 Capricorni c^1	6	35 55,35	3,205	8·7382	8·5998	0·5058	−7·9717
2580	80 Cygni π^1	4·5	36 3,49	2,118	8·9277	8·7887	0·3260	+8·8146
2581	9 Pegasi g	4·5	36 27,96	2,835	8·7509	8·6103	0·4525	+8·2062
2582	78 Cygni μ	5	36 32,26	2,652	8·7866	8·6457	0·4236	+8·4579
2583	10 Pegasi $\varkappa$	4	36 56,96*	2,706	8·7754	8·6329	0·4323	+8·3992
2584	47 Capricorni c^2	6·7	37 11,60	3,206	8·7402	8·5967	0·5060	−7·9822
2585	48 Capricorni λ	5·6	37 21,91	3,236	8·7436	8·5994	0·5100	−8·0666
2586	49 Capricorni δ	3·4	37 38,81	3,304	8·7533	8·6080	0·5191	−8·2165
2587	10 Piscis Aust. θ	5	37 44,62	3,548	8·8043	8·6586	0·5499	−8·5246
2588	12 Pegasi W	6	38 14,99	2,752	8·7683	8·6206	0·4397	+8·3450
2589	11 Pegasi	5·6	38 35,93	3,042	8·7356	8·5865	0·4832	+7·2577
2590	11 Cephei τ	4·5	21 39 22,30	+ 0,892	+9·2136	−9·0613	+9·9503	+9·1880

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2591	− 6° 11′ 13″,73*	+16″,424	+9·5670	−8·9461	+1·2155	+9·7583		290	
2592	−13 30 38,92*	16,442	9·4594	−9·2825	1·2160	9·7573		291	902 M
2593	+48 31 32,20	16,444	9·8543	+9·7887	1·2160	9·7572	2855	295	
2594	+60 20 15,27	16,444	9·8525	+9·8531	1·2160	9·7572	2857	297	
2595	+71 32 28,27	16,465	9·8312	+9·8917	1·2166	9·7560	2861	302	
2596	+16 30 0,44	16,520	9·7612	+9·3694	1·2180	9·7530	2858	304	
2597	+29 23 12,84	16,534	+9·8162	+9·6072	1·2184	9·7522	2859	305	
2598	−38 9 30,62*	16,596	−7·6990	−9·7089	1·2200	9·7487		308	1762 C
2599	− 4 47 13,22*	16,610	+9·5855	−8·8398	1·2204	9·7479		314	
2600	−14 20 45,84	16,617	9·4487	−9·3127	1·2205	9·7475	2860	315	905 M
2601	+28 0 6,37	16,660	9·8089	+9·5914	1·2217	9·7450	2863	319	
2602	− 5 4 5,74*	16,679	9·5832	−8·8664	1·2222	9·7439		320	
2603	+25 7 47,57	16,681	+9·7980	+9·5483	1·2222	9·7438	2864	321	
2604	−55 47 30,74*	16,727	−9·3263	−9·8390	1·2234	9·7411			1764 C
2605	+11 16 28,12	16,840	+9·7259	+9·2155	1·2263	9·7342	2869	341	
2606	−21 59 22,63*	16,867	9·3010	−9·4985	1·2270	9·7325		343	909 M
2607	− 6 13 31,16*	16,871	9·5705	−8·9604	1·2271	9·7323	2870	345	
2608	−29 15 49,17	16,953	9·0719	−9·6165	1·2293	9·7270	2873	351	
2609	+ 5 54 29,99	16,980	9·6875	+8·9405	1·2299	9·7253	2874	355	
2610	− 0 12 23,81	17,015	9·6355	−7·4860	1·2308	9·7231	2875	358	
2611	+ 7 26 43,75	17,030	9·6972	+9·0418	1·2312	9·7220	2877	362	
2612	+12 18 37,88	17,034	9·7292	+9·2582	1·2313	9·7218	2879	363	
2613	−17 46 38,37	17,050	9·4031	−9·4145	1·2317	9·7207	2878	365	
2614	− 7 20 20,86	17,104	9·5599	−9·0375	1·2331	9·7171	2882	374	
2615	− 2 58 17,06	17,112	9·6085	−8·6460	1·2333	9·7165	2883	376	912 M
2616	−27 38 25,69*	17,132	9·1553	−9·5983	1·2338	9·7152		378	1779 C
2617	+10 34 14,29	17,133	9·7177	+9·1954	1·2338	9·7151	2885	380	
2618	− 1 43 24,28	17,182	9·6222	−8·4113	1·2351	9·7117	2887	382	
2619	− 1 8 28,69	17,227	9·6274	−8·2335	1·2362	9·7085	2890	387	914 M
2620	+ 4 13 56,36	17,229	9·6730	+8·8024	1·2363	9·7083	2891	388	
2621	− 6 11 ——*	17,229	9·5752	−8·9661	1·2363	9·7083	2888		
2622	−14 41 16,64	17,236	+9·4639	−9·3385	1·2364	9·7079	2889	389	913 M
2623	−47 46 39,62*	17,246	−8·9294	−9·8043	1·2367	9·7071			1781 C
2624	+28 8 32,54	17,264	+9·7945	+9·6088	1·2371	9·7059	2895	396	
2625	+63 48 3,29	+17,307	+9·8096	+9·8892	+1·2382	+9·7027	2907	408	

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					a	*b*	*c*	*d*
			h m s	s				
2626	24 Pegasi ι	4	21 59 6,17	+ 2,761	+8·8015	−8·5669	+0·4411	+8·4195
2627	35 Aquarii	5·6	59 38,76	3,303	8·7863	8·5493	0·5189	−8·3065
2628	25 Pegasi	6	21 59 51,20	2,813	8·7908	8·5529	0·4492	+8·3427
2629	36 Aquarii	7	22 0 24,05	3,174	8·7673	8·5270	0·5016	−7·9624
2630	37 Aquarii	6	1 27,03	3,204	8·7721	8·5271	0·5057	−8·0774
2631	Aquarii	7	1 30,26	3,123	8·7645	8·5194	0·4945	−7·6801
2632	38 Aquarii e	6	1 31,74	3,213	8·7733	8·5281	0·5069	−8·1051
2633	Aquarii	7	1 35,24*	3,336	8·7962	8·5507	0·5232	−8·3709
2634	26 Pegasi θ	4	1 37,62	3,006	8·7651	8·5194	0·4780	+7·7360
2635	Aquarii q	6·7	1 41,31	3,127	8·7650	8·5190	0·4951	−7·7137
2636	27 Pegasi π^1	5	1 42,41	2,650	8·8365	8·5905	0·4233	+8·5649
2637	29 Pegasi π^2	4	2 26,96	2,653	8·8373	8·5880	0·4237	+8·5657
2638	28 Pegasi	6	2 27,88	2,828	8·7915	8·5421	0·4514	+8·3286
2639	Aquarii	7	3 11,13*	3,205	8·7743	8·5217	0·5059	−8·0881
2640	39 Aquarii	7	3 15,19	3,243	8·7800	8·5271	0·5109	−8·1938
2641	Pegasi	6	3 38,56*	2,891	8·7808	8·5262	0·4611	+8·1996
2642	Piscis Aust. φ	5·6	4 9,90*	3,384	8·8123	8·5553	0·5294	−8·4544
2643	40 Aquarii	7	4 20,42	3,214	8·7769	8·5192	0·5071	−8·1211
2644	16 Piscis Aust. λ	6	4 39,14	3,419	8·8229	8·5637	0·5339	−8·5028
2645	41 Aquarii F	6	4 53,82	3,327	8·7992	8·5390	0·5220	−8·371.
2646	21 Cephei ζ	4	4 57,08	2,064	9·0349	8·7744	0·3147	+8·9603
2647	Aquarii	7	4 59,29*	3,128	8·7686	8·5079	0·4952	−7·7330
2648	Gruis μ^1	5	5 19,77*	3,649	8·8973	8·6351	0·5622	−8·7244
2649	Gruis μ^2	5	6 11,11*	3,651	8·9001	8·6341	0·5624	−8·7296
2650	Lacertæ m	5	6 35,04*	2,606*	8·8771	8·6093	0·4160	+8·6748
2651	Tucanæ α	3	6 47,52*	4,216	9·0844	8·8156	0·6249	−9·0266
2652	Piscis Aust.	6	7 3,18*	3,387	8·8180	8·5480	0·5298	−8·4712
2653	42 Aquarii	6	7 40,56	3,221	8·7820	8·5092	0·5080	−8·1557
2654	Aquarii	7	7 47,90*	3,095	8·7700	8·4966	0·4906	−7·3991
2655	43 Aquarii θ	4·5	7 51,28	3,163	8·7746	8·5010	0·5001	−7·9507
2656	Aquarii	6	7 53,56*	3,177	8·7762	8·5024	0·5021	−8·0109
2657	44 Aquarii	6·7	8 13,95	3,136	8·7727	8·4973	0·4964	−7·8082
2658	1 Lacertæ α	5	8 33,35	2,599	8·8675	8·5906	0·4148	+8·6460
2659	23 Cephei ε	4·5	8 46,77	2,137	9·0253	8·7474	0·3298	+8·9449
2660	45 Aquarii D	6	22 9 52,62	+ 3,224	+8·7851	−8·5021	+0·5084	−8·1733

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2696	−21° 34′ 29″,01	+18″,359	+9·4082	−9·5274	+1·2638	+9·6034	2976	143	
2697	− 0 16 30,86*	18,397	9·6395	−7·6440	1·2643	9·6011		145	
2698	− 0 59 20,82*	18,402	9·6304	−8·2000	1·2649	9·5980	2979	151	928 M
2699	−18 19 59,52	18,403	+9·4579	−9·4606	1·2649	9·5979	2978	149	
2700	−62 15 7,42*	18,423	−9·5173	−9·9601	1·2661	9·5914			1811 C
2701	− 45 60 2,19	18,48[illegible]	+9·5999	−8·9137	1·2667	9·5876	2983	166	929 M
2702	−10 54 26,91	18,528	9·5490	−9·2428	1·2678	9·5814	2984	170	
2703	+18 38 46,15	18,539	9·7267	+9·4709	1·2681	9·5799	2985	174	
2704	−10 14 41,19*	18,555	9·5563	−9·2166	1·2685	9·5775		176	930 M
2705	−27 55 34,08	18,558	9·3139	−9·6371	1·2685	9·5771	2986	175	1821 C
2706	+18 48 2,79	18,568	9·7259	+9·4751	1·2688	9·5757	2989	180	
2707	+72 45 44,37	18,569	9·6884	+9·9469	1·2688	9·5756	2994	185	
2708	−47 46 5,52*	18,599	8·2041	−9·8370	1·2695	9·5713			1823 C
2709	+62 42 5,26	18,604	9·7243	+9·9164	1·2696	9·5706	2996	190	
2710	+ 9 56 52,92	18,615	9·6911	+9·2053	1·2699	9·5689	2992	189	
2711	+28 25 24,43	18,641	9·7459	+9·6461	1·2705	9·5651	2999	196	
2712	−10 59 19,78	18,650	9·5515	−9·2489	1·2707	9·5637	2998	198	932 M
2713	− 9 11 54,25*	18,652	9·5682	−9·1725	1·2707	9·5634		200	933 M
2714	− 7 50 53,81	18,659	9·5798	−9·1042	1·2709	9·5624	3001	202	935 M
2715	−19 43 0,64	18,662	9·4564	−9·4971	1·2709	9·5620	3000	203	
2716	+29 20 7,24	18,681	+9·7443	+9·6596	1·2714	9·5590	3003	205	
2717	−54 23 25,92*	18,684	−8·6128	−9·8796	1·2715	9·5586			1827 C
2718	−26 7 35,66	18,718	+9·3674	−9·6141	1·2723	9·5533	3004	207	
2719	+18 28 30,89	18,748	9·7193	+9·4719	1·2730	9·5484	3006	212	
2720	+11 18 19,65	18,779	+9·6937	+9·2641	1·2737	9·5433	3008	215	
2721	−52 12 29,38*	18,780	−8·0000	−9·8695	1·2737	9·5432			1835 C
2722	+22 40 32,60	18,784	+9·7275	+9·5579	1·2738	9·5425	3010	217	
2723	−20 29 49,51	18,786	9·4548	−9·5161	1·2738	9·5423	3007	216	
2724	−14 56 57,60	18,794	9·5172	−9·3836	1·2740	9·5409	3009	218	937 M
2725	−11 26 56,41	18,821	9·5527	−9·2704	1·2746	9·5363	3012	223	
2726	−14 29 10,07	18,851	9·5250	−9·3716	1·2753	9·5310	3013	225	938 M
2727	+23 42 22,43	18,887	9·7259	+9·5785	1·2762	9·5246	3016	231	
2728	−33 46 21,08	18,924	9·2504	−9·7200	1·2770	9·5178	3017	234	
2729	+65 18 26,29	18,940	9·6794	+9·9338	1·2774	9·5147	3022	238	
2730	− 8 28 52,35	+18,945	+9·5809	−9·1442	+1·2775	+9·5141	3019	235	940 M

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Am. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
2731	49 Pegasi	σ	5·6	22 43 47,03	+ 2,999	+8·8047	−8·3430	+0·4770	+7·9959
2732	74 Aquarii	K	6	44 30,76	3,164	8·8104	8·3442	0·5002	−8·1463
2733	Pegasi		6	44 40,52*	2,945	8·8170	8·3498	0·4691	+8·2558
2734	Cephei	e	5	44 ——*	2,297	9·1117	8·6441	0·3612	+9·0526
2735	76 Aquarii	δ	3	45 37,14	3,196	8·8194	8·3463	0·5046	−8·2783
2736	78 Aquarii		6	45 42,67	3,129	8·8150	8·3314	0·4934	−7·9542
2737	77 Aquarii		6	45 44,81	3,199	8·8205	8·3466	0·5051	−8·2906
2738	1 Piscium		6	46 17,63	3,067	8·8011	8·3237	0·4867	+6·2515
2739	Aquarii	M[1]	7	46 21,57*	3,112	8·8034	8·3256	0·4930	−7·8147
2740	50 Pegasi	ϱ	5·6	46 39,57	3,010	8·8054	8·3258	0·4785	+7·9442
2741	24 Piscis Aust.	α	1	48 14,34	3,311	8·8670	8·3773	0·5199	−8·5728
2742	51 Pegasi		6	49 6,44	2,921	8·8294	8·3340	0·4655	+8·3606
2743	52 Pegasi		6	50 41,61	2,992	8·8115	8·3057	0·4759	+8·0852
2744	2 Piscium	x^1	6·7	50 44,52	3,068	8·8038	8·2976	0·4868	+5·8074
2745	Gruis	ζ	5	50 47,56*	3,608	9·0311	8·5245	0·5573	−8·9372
2746	3 Piscium	x^2	6	51 54,79	3,073	8·8045	8·2904	0·4875	−6·9060
2747	Piscium		7	52 2,85*	3,054	8·8048	8·2898	0·4848	+7·3701
2748	81 Aquarii		6	[illegible]1	3,122	8·8090	8·2906	0·4945	−7·9509
2749	Piscium		7	53 ——*	3,050	8·8056	8·2835	0·4844	+7·4659
2750	82 Aquarii		6	53 42,82	3,118	8·8092	8·2828	0·4939	−7·9239
2751	1 Androm.	o	4	54 6,31	2,734	8·9307	8·4015	0·4368	+8·7512
2752	4 Piscium	β	5	55 13,25	3,049	8·8069	8·2699	0·4842	+7·5122
2753	53 Pegasi	β	2	55 32,37	2,878	8·8573	8·3180	0·4590	+8·5167
2754	83 Aquarii	h^1	6	56 17,49	3,124	8·8118	8·2672	0·4946	−7·9870
2755	54 Pegasi	α	2	56 17,71	2,975	8·8206	8·2759	0·4734	+8·2131
2756	85 Aquarii	h^3	7	57 1,80	3,124	8·8125	8·2626	0·4948	−7·9996
2757	Cephei	f	5	57 ——*	2,243	9·2030	8·6529	0·3508	+9·1647
2758	Gruis	θ	5	57 16,53*	3,422	8·9537	8·4020	0·5343	−8·7989
2759	86 Aquarii	c^1	5·6	57 32,09	3,233	8·8491	8·2955	0·5096	−8·4695
2760	55 Pegasi	l	5	58 26,58	3,015	8·8128	8·2526	0·4793	+7·9823
2761	56 Pegasi	h	4·5	58 50,43	2,907	8·8494	8·2862	0·4634	+8·4680
2762	Aquarii		6	59 8,05*	3,268	8·8697	8·3043	0·5143	−8·5653
2763	5 Piscium	A	6	22 59 58,12	3,061	8·8089	8·2372	0·4858	+7·1319
2764	88 Aquarii	c^2	4·5	23 0 22,36	3,208	8·8422	8·2674	0·5062	−8·4174
2765	Gruis	ι	5	23 0 38,78*	+ 3,424	+8·9687	−8·3918	+0·5346	−8·8269

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			a'	b'	c'	d'			
2731	+ 8° 56′ 4,″60	+18,″944	+9·6812	+9·1667	+1·2775	+9·5138	3020	236	
2732	−12 31 3,09	18,965	9·5490	−9·3119	1·2780	9·5098	3021	239	
2733	+15 56 29,71*	18,970	9·7042	+9·4149	1·2781	9·5089		241	
2734	+60 47 34,17*	18,971	9·6937	+9·9171	1·2781	9·5086	3028		
2735	−16 43 15,39	18,996	9·5105	−9·4357	1·2787	9·5036	3025	245	941 M
2736	− 8 6 18,40	18,999	9·5855	−9·1260	1·2787	9·5031	3027	246	
2737	−17 10 11,23	19,000	9·5065	−9·4469	1·2787	9·5029	3026	247	
2738	+ 0 9 42,01	19,015	9·6385	+7·4276	1·2791	9·4998	3030	249	
2739	− 5 53 28,30*	19,017	9·6021	−8·9885	1·2791	9·4994		250	
2740	+ 7 54 44,60	19,025	9·6749	+9·1162	1·2793	9·4977	3031	252	
2741	-30 31 13,88	19,068	9·3385	−9·6841	1·2803	9·4886	3032	253	942 M
2742	+19 51 38,00	19,091	9·7084	+9·5100	1·2808	9·4835	3035	257	
2743	+10 49 22,93	19,133	9·6830	+9·2535	1·2818	9·4740	3037	265	
2744	+ 0 3 27,68	19,134	9·6375	+6·9835	1·2818	9·4737	3036	266	
2745	−53 39 45,22*	19,136	8·2304	−9·8860	1·2818	9·4734			1847 C
2746	− 0 43 25,95	19,165	9·6335	−8·0821	1·2825	9·4665	3039	274	
2747	+ 2 6 23,49*	19,168	9·6484	+8·5459	1·2826	9·4656		275	
2748	− 7 58 10,09	19,181	9·5911	−9·1228	1·2829	9·4625	3040	278	944 M
2749	+ 2 37 18,65*	19,194	9·6503	+8·6416	1·2832	9·4592	3041		
2750	− 7 28 57,54	19,210	9·5944	−9·0963	1·2835	9·4552	3042	281	
2751	+41 24 50,03	19,220	9·7101	+9·8023	1·2838	9·4527	3043	284	
2752	+ 2 54 29,09	19,247	9·6503	+8·6877	1·2844	9·4455	3046	287	945 M
2753	+27 9 49,11	19,255	9·7101	+9·6421	1·2845	9·4434	3047	288	946 M
2754	− 8 36 27,56	19,273	9·5888	−9·1581	1·2850	9·4384	3048	289	947 M
2755	+14 17 36,66	19,273	9·6893	+9·3755	1·2850	9·4384	3050	290	949 M
2756	− 8 50 59,99	19,291	9·5877	−9·1705	1·2854	9·4335	3051	294	950 M
2757	+65 17 36,05*	19,291	9·6253	+9·9451	1·2854	9·4333	3054		
2758	−44 26 7,07*	19,297	9·0828	−9·8287	1·2855	9·4318		296	1857 C
2759	−24 39 30,54	19,303	9·4502	−9·6040	1·2856	9·4301	3053	299	1860 C
2760	+ 8 29 41,31	19,324	9·6702	+9·1536	1·2861	9·4239	3056	303	
2761	+24 33 14,43	19,333	9·7033	+9·6030	1·2863	9·4211	3057	304	
2762	−29 44 23,03*	19,340	9·3927	−9·6800	1·2865	9·4191		305	1863 C
2763	+ 1 12 19,38	19,359	9·6425	+8·3079	1·2869	9·4132	3059	310	952 M
2764	−22 5 29,01	19,368	9·4843	−9·5604	1·2871	9·4104	3062	313	
2765	−46 9 55,78*	+19,374	+9·0645	−9·8434	+1·2872	+9·4084			1865

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
2766	89 Aquarii	c^3	5	23 0 49,40	+ 3,216	+8·8465	−8·2682	+0·5072	−8·4450
2767	57 Pegasi	m	5·6	0 56,82	3,022	8·8133	8·2341	0·4802	+7·9437
2768	33 Cephei	π	5	2 30,36	1,875	9·3823	8·7910	0·2729	+9·3662
2769	59 Pegasi	p	5·6	3 9,48	3,023	8·8144	8·2180	0·4805	+7·9471
2770	60 Pegasi		6	3 34,59	2,910	8·8567	8·2569	0·4638	+8·4975
2771	7 Androm.	u	5	4 46,45	2,708	8·9897	8·3802	0·4326	+8·8640
2772	90 Aquarii	φ	5	5 30,73	3,106	8·8147	8·1991	0·4923	−7·8983
2773	91 Aquarii	ψ'	5·6	6 59,01	3,122	8·8188	8·1909	0·4944	−8·0590
2774	Tucanæ	γ	4	7 26,48*	3,577	9·1027	8·4708	0·5535	−9·0365
2775	61 Pegasi		6	7 28,41	2,911	8·8638	8·2317	0·4641	+8·5256
2776	92 Aquarii	χ	5·6	8 2,20	3,114	8·8176	8·1807	0·4933	−7·9946
2777	6 Piscium	γ	4·5	8 21,04	3,108*	8·8132	8·1735	0·4924	+7·4269
2778	93 Aquarii	ψ^2	5	9 4,11	3,121	8·8199	8·1739	0·4942	−8·0642
2779	Ap. Sculp.	γ	5	9 37,66*	3,261	8·8920	8·2411	0·5133	−8·6334
2780	8 Androm.		5	9 52,49	2,745	8·9887	8·3355	0·4385	+8·9602
2781	95 Aquarii	ψ^3 χ^2	5	10 6,69	3,122	8·8209	8·1657	0·4944	−8·0831
2782	94 Aquarii	Z	6	10 9,81	3,142	8·8274	8·1717	0·4972	−8·2225
2783	96 Aquarii		6	10 34,86	3,098	8·8162	8·1567	0·4911	−7·8391
2784	7 Piscium	b	6	11 40,68	3,046	8·8155	8·1460	0·4838	+7·7056
2785	Aquarii		7	11 54,92*	3,101	8·8174	8·1456	0·4915	−7·8928
2786	Aquarii	T	6	12 11,32*	3,215	8·8681	8·1938	0·5071	−8·538
2787	62 Pegasi	τ	5	12 13,55	2,952	8·8498	8·1751	0·4701	+8·4333
2788	97 Aquarii		6	13 43,61	3,145	8·8321	8·1432	0·4976	−8·27·6
2789	98 Aquarii	b^1	5	14 1,52	3,170	8·8450	8·1533	0·5011	−8·3099
2790	65 Pegasi		6	14 13,25	2,972	8·8419	8·1482	0·4730	+8·3339
2791	66 Pegasi		6	14 30,05	3,015	8·8239	8·1275	0·4793	−8·1192
2792	Piscium		6·7	14 48,37*	3,071	8·8154	8·1160	0·4873	−6·8639
2793	Aquarii		6	15 5,93*	3,177	8·8505	8·1482	0·5020	−8·4371
2794	68 Pegasi	v	5	16 53,93	2,965	8·8505	8·1299	0·4720	+8·4328
2795	99 Aquarii	b^2	5	17 5,87	3,166	8·8478	8·1252	0·5006	−8·4133
2796	4 Cassiopeæ	d	5	17 18,44	2,615	9·1356	8·4108	0·4175	+9·0788
2797	Aquarii		6	17 36,98*	3,171	8·8514	8·1234	0·5011	−8·[illegible]374
2798	8 Piscium	κ^1	5·6	18 12,27	3,067	8·8167	8·0825	0·4867	+6·5737
2799	9 Piscium	κ^2	6	18 32,14	3,067	8·8168	8·0790	0·4867	+6·3412
2800	69 Pegasi		6	23 19 13,49	+ 2,962	+8·8571	−8·1119	+0·4715	+8·4704

No.	Declination Jn. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2836	−0° 37′ 22″,21	+19″,943	+9·5752	−9·5240	+1·2998	+8·9975	3161	177	
2837	+5 28 37,09	19,947	9·5717	+9·8510	1·2999	8·9884	3163	181	
2838	+2 32 44,74	19,948	9·6415	+8·6455	1·2999	8·9873	3162	182	980 M
2839	−2 51 0,01*	19,955	9·6042	−9·3452	1·3000	8·9715		185	981 M
2840	+7 42 18,46	19,957	9·4914	+9·9252	1·3001	8·9661	3164	187	
2841	−3 42 16,44	19,960	9·6304	−8·8085	1·3002	8·9574	3165	188	
2842	−7 19 24,19*	19,965	9·6222	−9·1037	1·3003	8·9445		190	983 M
2843	56 51 42,09	19,965	9·4014	+9·9619	1·3003	8·9439	3166	191	41 H
2844	29 4 8,14*	19,967	9·5276	−9·6849	1·3003	8·9391		192	1915 C
2845	0 7 58,21	19,972	9·6375	+7·3635	1·3004	8·9236	3167	197	985 M
2846	−27 53 52,75	19,974	9·6263	+9·6687	1·3005	8·9169	3171	198	
2847	−10 55 23,71*	19,977	9·6138	−9·2762	1·3005	8·9074		200	986 M
2848	−15 20 38,94*	19,979	+9·5999	−9·4212	1·3006	8·9001		203	
2849	−82 57 43,12*	19,979	−8·4150	−9·9953	1·3006	8·8993			1917 C
2850	−19 51 13,51	19,985	+9·5821	−9·5297	1·3007	8·8809	3172	207	
285	+ 8 22 20,67	19,985	9·6435	+9·1619	1·3007	8·8778	3173	208	
[illegible]	+ 1 59 9,47	19,989	9·6405	+8·5386	1·3008	8·8632	3174	209	
285	−15 11 46,13*	19,992	9·6021	−9·4174	1·3009	8·8500		210	
285	+20 43 42,27	19,992	9·6345	+9·5478	1·3009	8·8498	3175	211	
285	+18 10 36,90	19,993	9·6375	+9·4930	1·3009	8·8479	3176	212	
28[illegible]	+10 0 7,56	19,993	9·6425	+9·2387	1·3009	8·8448	3177	213	
2[illegible]	− 4 5 46,81	19,995	9·6314	−8·8529	1·3009	8·8383	3179	215	987 M
28	+ 1 8 48,59	19,996	9·6385	+8·3004	1·3009	8·8336	3180	219	
59	− 0 50 9,01*	20,006	9·6365	−8·1632	1·3012	8·7832		227	988 M
60	+ 6 7 35,79	20,007	+9·6415	+9·0275	1·3012	8·7720	3183	228	989 M
61	−83 6 44,88*	20,015	−6·4914	−9·9962	1·3013	8·7221			1921 C
62	−65 15 5,88*	20,018	+9·1367	−9·9576	1·3014	8·6971			1923 C
63	+24 11 52,64	20,020	9·6180	+9·6122	1·3015	8·6767	3186	239	
64	− 4 29 52,35*	20,023	9·6335	−8·8940	1·3015	8·6415	3189	244	990 M
865	+ 5 55 21,18	20,026	9·6395	+9·0132	1·3016	8·6134	3191	246	991 M
2866	− 6 50 10,53*	20,027	9·6294	−9·0753	1·3016	8·5966		249	
2867	−66 31 11,82*	20,027	9·1367	−9·9621	1·3016	8·5934			1926 C
2868	+60 16 34,45*	20,033	9·3838	+9·9385	1·3018	8·4855	3195		
2869	− 3 58 20,76	20,034	9·6345	−8·8404	1·3018	8·4786	3196	255	992 M
2870	− 6 57 28,88	+20,034	+9·6304	−9·0831	+1·3018	+8·4700	3197	256	993 M

No.	Star.		Mag.	Right Ascens. Jan. 1, 1830.	Ann. Prec.	Logarithms of			
						a	*b*	*c*	*d*
				h m s	s				
2871	85 Pegasi		6	23 53 17,64	+ 3,109*	+8·8707	−7·3371	+0·4920	+8·5154
2872	31 Piscium	c^1	6	53 41,70	3,063	8·8280	7·2677	0·4861	+7·9729
2873	32 Piscium	c^2	6	53 48,19	3,063	8·8275	7·2596	0·4862	+7·9456
2874	2 Ceti	g	4	55 1,56	3,078	8·8463	7·1829	0·4882	−8·3428
2875	3 Ceti	p	6	55 47,81	3,073	8·8326	7·0960	0·4876	−8·1305
2876	Piscium		6·7	56 20,77*	3,069	8·8240	7·0265	0·4869	−7·9261
2877	33 Piscium	s	5	56 37,75	3,070	8·8268	6·9944	0·4872	−7·8911
2878	86 Pegasi	k	6	56 58,95	3,064	8·8342	6·9537	0·4863	−8·1678
2879	4 Ceti		7	59 1,37	3,068	8·8247	6·4543	0·4869	7·6096
2880	5 Ceti		7	59 29,63	3,068	8·8247	6·1683	0·4869	7·5968
2881	21 Androm.	α	1	23 59 36,59	+ 3,067	+8·8786	−6·1095	+0·4867	+8·5524

α Ursæ Minoris.

Year.	Right Ascens. Jan. 1.	Ann. Prec.	Logarithms of			
			a	*b*	*c*	*d*
	h m s	s				
1830	0 59 30,76	+15,478*	+0·3638	+9·7882	+1·1897	+0·3637
1840	1 2 10,32	16,470*	0·3773	9·8215	1·2167	0·3771
1850	1 5 0,29	17,567*	0·3911	9·8557	1·2447	0·3910
1860	1 8 1,73	+18,784*	+0·4053	+9·8908	+1·2739	+0·4052

δ Ursæ Minoris.

Year.	Right Ascens. Jan. 1.	Ann. Prec.	Logarithms of			
			a	*b*	*c*	*d*
	h m s	s				
1830	18 27 5,13	−19,167	+9·1204	−0·0459	−1·2826	+9·1197
1840	18 23 53,03	19,241	9·0668	0·0473	1·2842	9·0660
1850	18 20 40,21	19,305	9·0049	0·0486	1·2857	9·0041
1860	18 17 26,77	−19,360	+8·9319	−0·0497	−1·2869	+8·9311

No.	Declination Jan. 1, 1830.	Ann. Prec.	Logarithms of a'	b'	c'	d'	Bradley.	Piazzi.	La Caille, Mayer, Zach, &c.
2871	+26° 10′ 47″,56	+18″,884*	+9·6042	+9·6444	+1·2761	+8·4662	319°	257	
2872	+ 8 0 40,48	20,035	9·6375	+9·1440	1·3018	8·4395	3200	260	
2873	+ 7 32 26,64	20,035	9·6375	+9·1179	1·3018	8·4319	3201	261	995 M
2874	−18 16 50,05	20,038	9·6075	−9·4964	1·3019	8·3365	3204	264	
2875	−11 27 15,69	20,039	9·6243	−9·2979	1·3019	8·2634	3206	266	
2876	− 1 26 46,79*	20,040	9·6375	−8·4021	1·3019	8·2025		270	
2877	− 6 39 30,13	20,040	9·6325	−9·0642	1·3019	8·1676	3208	272	996 M
2878	+12 27 0,89	20,041	9·6304	+9·3336	1·3019	8·1195	3209	274	
2879	− 3 29 37,37	20,042	9·6365	−8·7849	1·3020	7·6296	3213	278	
2880	− 3 23 32,23	20,043	9·6365	−8·7721	1·3020	7·3436	3214	280	
2881	+28 9 6,65	+20,043	+9·5843	+9·6738	+1·3020	+7·2309	3215	281	997 M

α Ursæ Minoris.

Year.	Declination Jan. 1.	Ann. Prec.	Logarithms of a'	b'	c'	d'
1830	88° 24′ 8″,82	+19″,371	−9·3892	+9·9850	+1·2871	−9·4096
1840	88 27 22,43	19,309	9·4086	9·9837	1·2858	9·4281
1850	88 30 35,40	19,240	9·4288	9·9821	1·2842	9·4469
1860	88 33 47,64	+19,163	−9·4495	+9·9804	+1·2825	−9·4661

δ Ursæ Minoris.

Year.	Declination Jan. 1.	Ann. Prec.	Logarithms of a'	b'	c'	d'
1830	86° 35′ 5″,70	+2″,363	+0·0074	+9·0708	+0·3735	+9·9970
1840	86 35 27,93	2,085	0·0080	9·0164	0·3191	9·9976
1850	86 35 47,36	1,805	0·0086	8·9538	0·2565	9·9982
1860	86 36 3,97	+1,523	+0·0090	+8·8802	+0·1828	+9·9987

REMARKS.

The preceding Catalogue having been finished, it became desirable to ascertain how far the mean places of the stars (which have been brought up from the observations of BRADLEY and PIAZZI by means of the formula in page vi.) could be depended upon. With this view a comparison has been made with the places of the 36 Greenwich stars that have been observed and reduced at different times by Messrs. BESSEL, BRINKLEY, and POND: and which is inserted on the opposite page.

There are two Catalogues of the *Right Ascension* of the 36 Greenwich stars published by M. BESSEL in the *Konigsberg Observations*: one (which may be considered as Dr. MASKELYNE's catalogue of 1805) reduced to 1815, and the other (depending on M. BESSEL's own observations) reduced to 1825. Both these catalogues are here brought up to 1830 by means of the annual variations attached to the catalogue of 1825. The catalogue of the same stars by Dr. BRINKLEY is taken from M. SCHUMACHER's *Astronomische Nachrichten* No. 78: it is there reduced to 1824, but has been brought up to 1830 by means of the annual variations annexed thereto. The *first* catalogue, in $\mathfrak{R}$, of Mr. POND has been taken from that (reduced to 1819) which is inserted in the Nautical Almanac for 1822; and was the last that was published prior to his important alteration of the position of the equinoctial points by the addition of $0^s,31$ to all the stars. The *second* catalogue of Mr. POND is that (reduced to 1825) which is published in the Nautical Almanac for 1829, and contains the latest corrections, to August 1826. Both these catalogues have been brought up to 1830 by means of the annual variations annexed to the *latter* catalogue.

On a comparison of these several catalogues it will appear that, as to the *Right Ascensions*, the catalogue of the Astronomical Society falls far within the limits of the errors of observation; since more than two thirds of the stars here compared are *between* the mean places as severally given by these eminent observers: and in those instances where this is not the case, the position does not differ so much from that of some one of the observers, as those observers do from each other, and from themselves.

With respect to the *North Polar Distances* recourse has been had to the two catalogues of Mr. POND: one reduced to 1818, (being the last correction of his Standard Catalogue of 1812–13, prior to the derangement of the mural circle) and published in the Nautical Almanac for 1820: the other reduced to 1825, and taken from the Nautical Almanac for 1829, above mentioned. These have been brought up to 1830 by means of the annual variations annexed to the latter catalogue: and which differ, in some instances very considerably, from the values annexed to the catalogue of 1818. Out of the 70 comparisons here made, it will be found that in nearly one half of them the difference is below one second; that in 16 others the difference is below two seconds; and that in 7 others the difference is below three seconds: whilst the difference in the remainder (which in five cases, only, exceeds four seconds) may be considerably reduced by the adoption of the annual variations annexed to the catalogue of 1818; the difference of which will in fact, in many of the comparisons, amount to a quantity equal to the whole of the difference in question. Indeed the difference in the *mode of reduction* will frequently account for differences nearly as great as any that occur in this table. See SCHUMACHER's *Astronomische Nachrichten*, No. 73.

The *mean difference* of each catalogue, from that of the Astronomical Society, is inserted at the bottom of the respective columns.

Stars.	Right Ascension 1830.					North Polar Distance 1830.		
	Ast. Soc.	Bessel.		Brinkley.	Pond.	Ast. Soc.	Pond.	
		Cat. 1815.	Cat. 1825.	Cat. 1824.	Cat. 1819. Cat. 1825.		Cat. 1818.	Cat. 1825.
	h m s	s	s	s	s s	° ′ ″	″	″
γ Pegasi	0 4 29,36	29,29	29,45	29,29	29,33 29,70	75 45 41,89	41,20	41,50
α Arietis	1 57 36,12	36,23	36,40	36,29	36,32 36,60	67 20 41,54	43,11	44,00
α Ceti	2 53 23,90	23,76	24,03	23,86	23,74 24,10	86 34 54,95	54,20	56,00
α Tauri	4 26 10,09	10,29	10,41	10,25	10,29 10,55	73 50 19,69	23,11	23,50
α Aurigæ	5 4 8,31	8,44	8,59	8,37	8,37 8,75	44 11 7,70	4,81	6,00
β Orionis	5 6 22,13	22,06	22,22	22,13	22,05 22,40	98 24 14,69	15,18	16,50
β Tauri	5 15 32,97	32,99	33,06	32,88	33,01 33,25	61 32 42,04	40,12	40,50
α Orionis	5 45 58,18	58,04	58,19	58,05	58,11 58,45	82 37 55,87	55,60	55,50
α Canis Maj.	6 37 39,27	39,15	39,27	39,18	38,99 39,30	106 29 18,74	18,60	20,50
α Geminorum	7 23 44,29	44,13	44,24	44,30	44,30 44,55	57 44 49,13	48,44	49,00
α Canis Min.	7 30 23,85	23,76	23,91	23,81	23,87 24,15	84 20 40,11	43,7[illegible]	
β Geminorum	7 34 53,78	53,90	54,07	53,98	54,06 54,35	61 34 14,73	13.	
α Hydræ	9 19 13,69	13,73	13,89	13,89	13,80 14,15	97 55 30,78	30	
α Leonis	9 59 18,29	18,37	18,58	18,43	18,54 18,85	77 12 15,17	16	
β Leonis	11 40 22,77	22,97	22,91	22,79	22,84 23,15	74 28 35,70	39	
ξ Virginis	11 41 50,18	50,09	50,36		50,70	87 16 37,64		
α Virginis	13 16 14,71	14,71	14,85	14,65	14,65 14,90	[illegible] 13,15	12,55	13,50
α Bootis	14 7 54,29	54,46	54,57	54,42	54,43 54,75	69 55 40,81	41,95	42,00
α^1 Libræ	14 41 17,78	17,84	17,87	17,68	17,73 18,00	105 15 62,90	59,54	62,00
α^2 Libræ	14 41 29,30	29,20	29,24	29,11	29,17 29,50	105 19 43,73	43,44	44,00
α Coronæ Bor.	15 27 29,10	29,36	29,51	29,35	29,44 29,70	62 42 24,73	27,90	28,50
α Serpentis	15 35 53,90	53,84	53,99	53,82	53,87 54,15	83 1 58,97	58,28	59,50
α Scorpii	16 18 60,03	59,59	59,83	59,62	59,52 59,80	116 2 44,15	43,32	44,50
α Herculis	17 6 53,56	53,81	53,94	53,81	53,82 54,15	75 24 28,49	31,52	31,75
α Ophiuhi	17 27 2,43	2,51	2,70	2,61	2,65 3,00	77 18 28,64	32,78	33,00
α Lyræ	18 31 10,77	10,91	10,98	10,87	10,88 11,25	51 22 9,66	12,00	10,00
γ Aquilæ	19 38 10,59	10,56	10,64	10,49	10,49 10,75	79 47 38,97	39,10	40,50
α Aquilæ	19 42 29,19	29,09	29,28	29,12	29,13 29,45	81 34 22,81	26,70	27,50
β Aquilæ	19 46 57,66	57,63	57,77	57,56	57,59 57,95	84 0 38,45	38,05	41,00
α^1 Capricorni	20 8 13,02	12,90	13,16	12,99	12,99 13,30	103 1 31,41	33,00	34,50
α^2 Capricorni	20 8 36,98	36,82	37,01	36,81	36,87 37,10	103 3 49,43	48,70	52,00
α Cygni	20 35 37,89	38,04	38,29	38,09	38,24 38,55	45 19 22,25	23,83	24,50
α Aquarii	22 57 2,88	2,75	3,00	2,87	2,86 3,15	91 8 28,69	30,77	32,00
α Piscis Aust.	22 48 14,34	14,16	14,51	14,32	14,00	120 31 13,88	14,80	
γ Pegasi	22 56 17,71	17,69	17,88	17,73	17,75 18,10	75 42 23,34	26,48	28,00
α Andromedæ	23 9 36,59	36,74	36,90	36,81	36,86 37,20	61 50 53,35	52,61	54,00
	Mean diff.	−0,004	+0,151	+0,017	+0,023 +0,351		+0,64	+1,64

ERRATA IN THIS APPENDIX.

Page	v.	line	30,	*for* two *read* three.
	vii.	—	16,	*for* 14 *read* 11.
	—	—	36,	*dele* 831 and 1302; these stars having been observed by PIAZZI.
	—	—	37,	No. 1747 has been inadvertently omitted in the Catalogue. It is a star of the 6th magnitude only; and its position for 1830 is $R = 21^h\ 32^m\ 46^s,33$ and $D = -24^\circ\ 15'\ 17'',61$. The constants therefore will be nearly the same as those of No. 2569 in this Catalogue.
	xix.	—	16,	*after* $(1800 + y)$ *add* "which also changes its sign with y"
	xx.	—	14,	Add the following note to the formula there given: "If we want to express the *time of culmination* of any given star, we must make $h' = (S - R)$: increasing S by 24^h if necessary. Where S denotes the sidereal time required, and R the right ascension of the sun at the preceding noon."
	xxi.	—	23,	*for* 57 *read* 58.
	xxii.	—	3,	*for* 35 *read* 36.
	xxiv.			In the examples here given, the values of c and c' were taken from the MS. tables, before the proper motion was applied to the annual precession.
	xxvi.			
	xxxv.			*for* 7 α Crateris *read* 7 α Hydræ & Crat.
	——			*for* 3 Canum Ven. *read* 8 Canum V[illegible]
	——			*for* 36 π [illegible] *read* 36 A Ophiuchi.
	——			*for* (29) r Sagittarii *read* (29) R Sagittarii.
	——			*dele* 61 Cygni + 5″,38 + 3″,30.
	xxxvi.	—	14, 15,	The two expressions $(\cos\alpha \cdot \sin\odot - \cos\omega \cdot \sin\alpha \cdot \cos\odot)$ and $(\cos\alpha \cdot \sin\pi - \cos\omega \cdot \sin\alpha \cdot \cos\pi)$ should each be multiplied by $\sin\delta$.
	lxii.	No.	115,	This star is more correctly computed in pages ccxx and ccxxi where the second differences of the quantities denoting the annual precession have been taken into the computation.
	lxiv.	—	147,	*for* Ann. Prec. $= 4^s,833$ *read* $3^s,833$.
	lxxxvi.	—	543,	*read* 94 Tauri.
	cvi.	—	901,	read $c = -9{\cdot}6768$: and prefix the positive sign to the quantities above and below it.
	cxvi.	—	1054 and 1055 are the *same* star, inadvertently separated in the catalogue.	
	cxix.	—	1120,	change the sign of the annual precession from *plus* to *minus*.
	cxxi.	—	1135,	read $a' = -9{,}7796$: and prefix the positive sign to t' quantities above and below it.
	cxxv.	—	1214,	*for* 12′——* *read* 11′ 30″,06*.
	clxxviii.	—	2148,	See No. 115, *supra*.

In some few cases of double stars, such as β Tucanæ, γ Argus, γ Virginis, &c. the constants for *each* of the stars forming the double star, have been inadvertently and unnecessarily computed, and inserted in the Catalogue.

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SHOE-LANE.